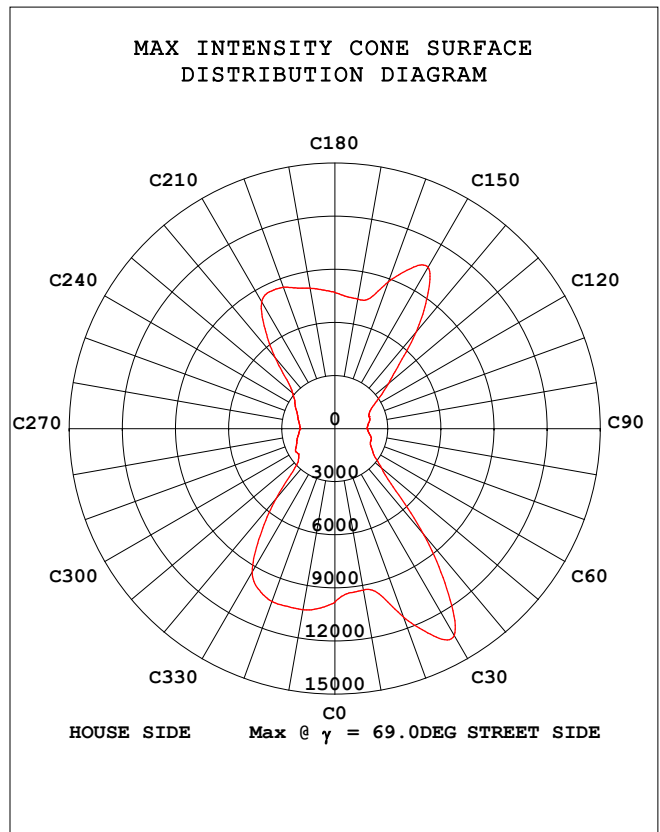
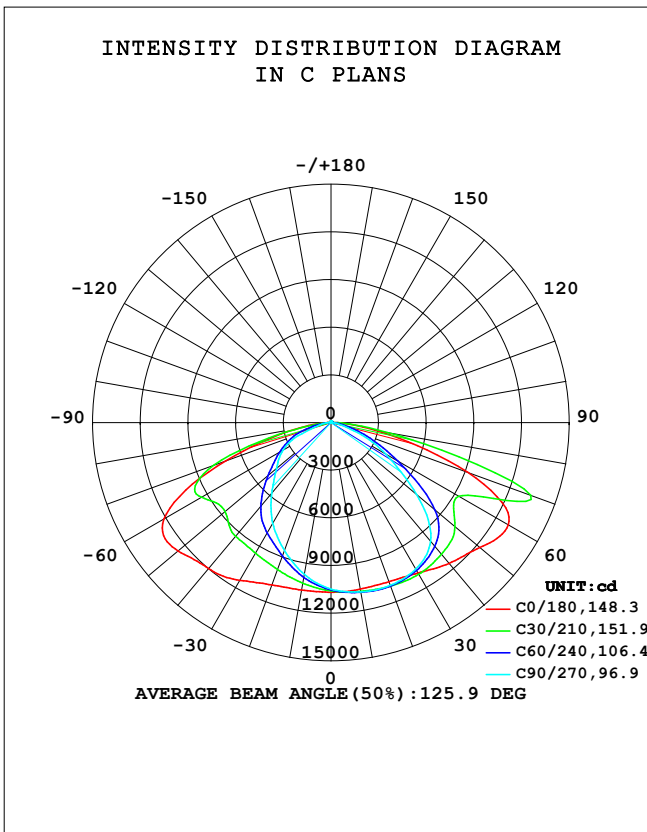


**STREETLIGHT PHOTOMETRIC TEST REPORT**

|   |       |                  |
|---|-------|------------------|
| Test:U:239.39V I:1.0311A P:238.83W PF:0.9676 Freq:50.02Hz<br>Lamp Flux:39566.7x1 lm |       |                  |
| NAME: ALDS2-SW3B500-xDS3  | TYPE: | WEIGHT:          |
| SPEC.:  | DIM.: | SERIAL No.:      |
| MFR.:   | SUR.: | Shielding Angle: |

| DATA OF LAMP      |                    | PHOTOMETRIC DATA Eff: 165.68 lm/W |         |                   |      |
|-------------------|--------------------|-----------------------------------|---------|-------------------|------|
| MODEL             | ALDS2-SW3B500-xDS3 | I <sub>max</sub> (cd)             | 13499   | η street_up (%)   | 0.4  |
| NOMINAL POWER (W) | 240                | LOR (%)                           | 100.0   | η street_down (%) | 53.6 |
| RATED VOLTAGE (V) | 240                | TOTAL FLUX (lm)                   | 39568   | η house_up (%)    | 0.6  |
| NOMINAL FLUX (lm) | 39566.7            | MAXIMUM @ (C, γ )                 | 30,69.0 | η house_down (%)  | 45.4 |
| LAMPS INSIDE      | 1                  | η up (%)                          | 1.0     | 76 FLASHAREA (m2) |      |
| TEST VOLTAGE (V)  | 240                | η down (%)                        | 99.0    | SLI               |      |

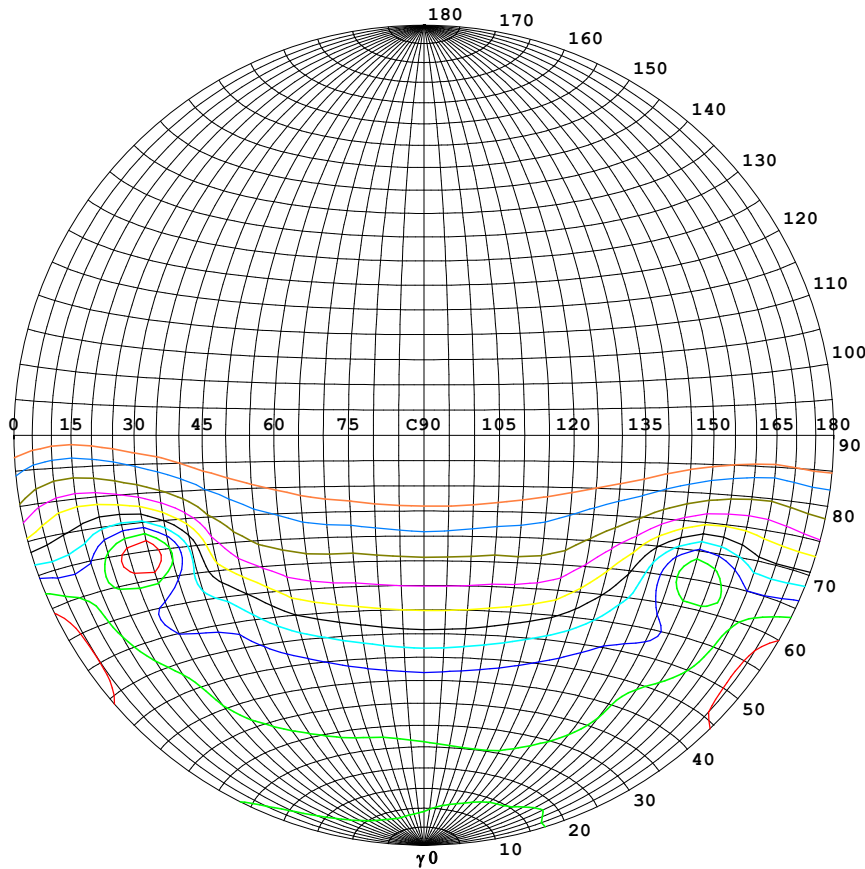


C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:07 October 2023

γ Range: 0 - 180DEG  
 γInterval: 1.0DEG  
 Test System: GO-2000B\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:7.850m [K=1.0000]  
 Remarks:

**STREETLIGHT ISOCANDELA DIAGRAM**

|   |       |                  |
|---|-------|------------------|
| Test:U:239.39V I:1.0311A P:238.83W PF:0.9676 Freq:50.02Hz<br>Lamp Flux:39566.7x1 lm |       |                  |
| NAME: ALDS2-SW3B500-xDS3  | TYPE: | WEIGHT:          |
| SPEC.:  | DIM.: | SERIAL No.:      |
| MFR.:   | SUR.: | Shielding Angle: |



**Classification:**

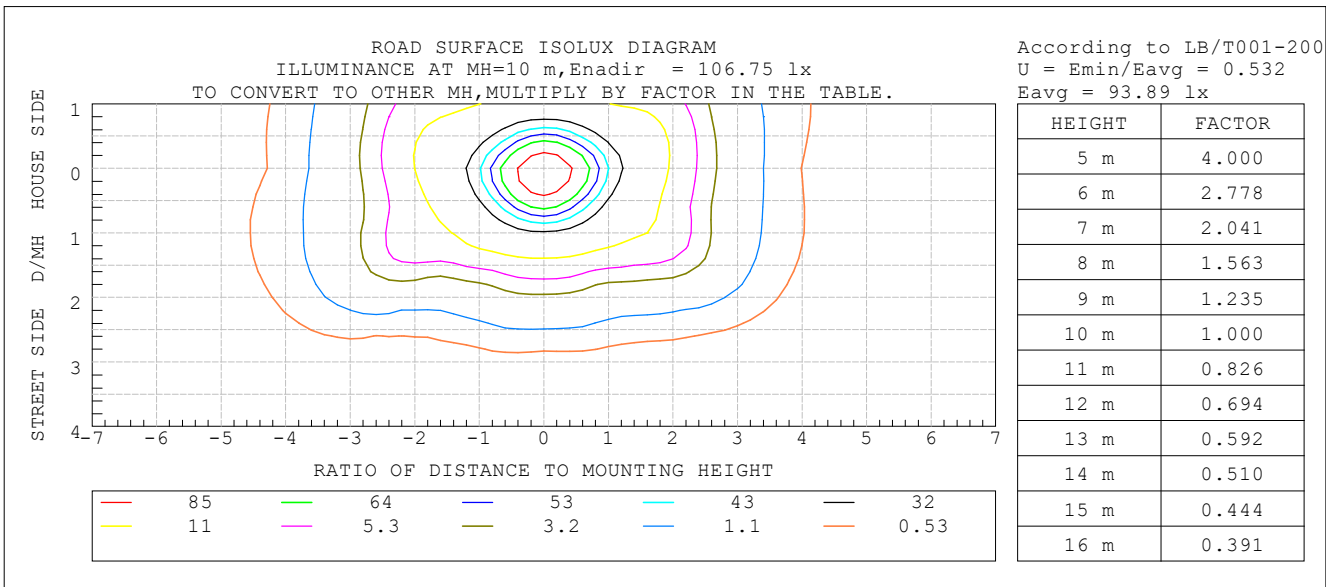
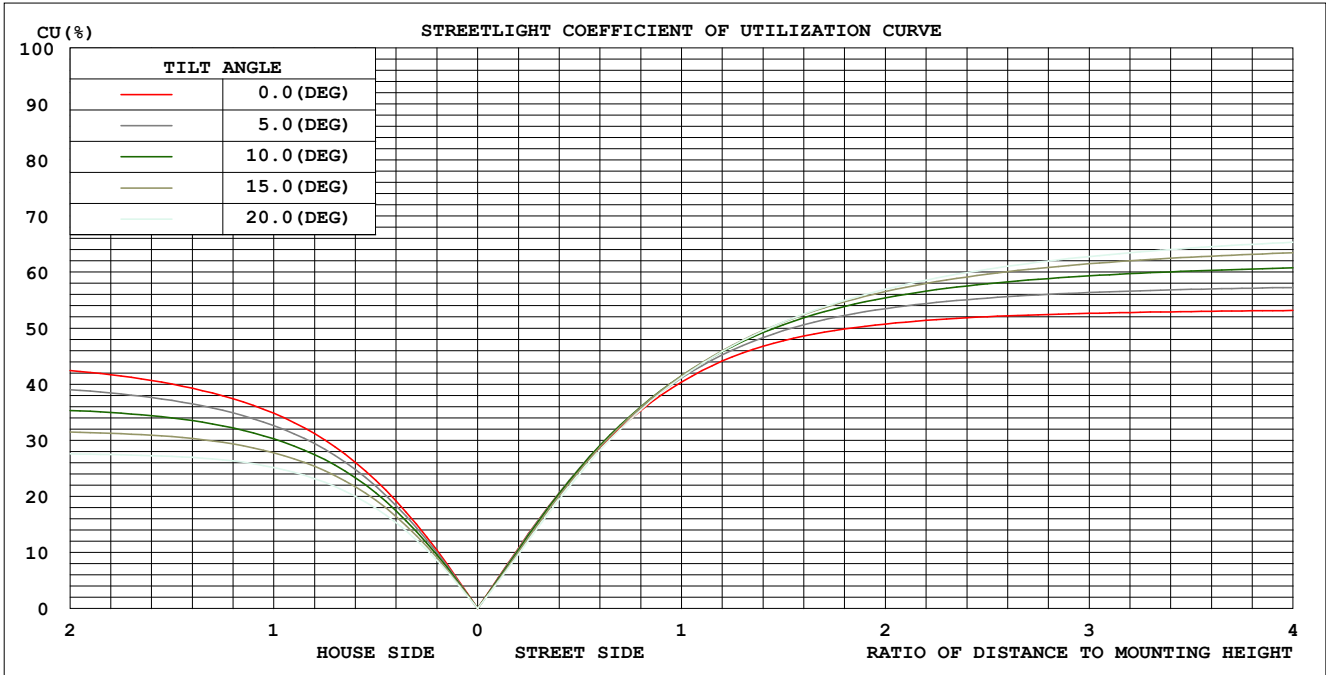
IES:Type III - Medium  
 CIE:Broad - Intermediate  
 IES:Semi cut-off  
 CIE:Non-cut-off  
 Max.At80:116.0cd/klm  
 Max.At90:8.606cd/klm  
 Max.80-90:116.0cd/klm  
 NRB 5101:Limited[9.9%]

| ISOCANDELA DIAGRAM     |       |
|------------------------|-------|
| UNIT                   | cd    |
| I <sub>max</sub> =100% | 13499 |
| 90%                    | 12149 |
| 80%                    | 10799 |
| 70%                    | 9449  |
| 60%                    | 8099  |
| 50%                    | 6749  |
| 40%                    | 5400  |
| 30%                    | 4050  |
| 20%                    | 2700  |
| 10%                    | 1350  |
| 5%                     | 675   |

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:07 October 2023

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: GO-2000B\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:7.850m [K=1.0000]  
 Remarks:

**COEFFICIENT OF UTILIZATION CURVE  
AND ISOLUX DIAGRAM**



According to LB/T001-2008:  
 $U = E_{min}/E_{avg} = 0.532$   
 $E_{avg} = 93.89 \text{ lx}$

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 07 October 2023

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: GO-2000B\_V1 SYSTEM V2.00.446  
 Humidity: 65.0%  
 Test Distance: 7.850m [K=1.0000]  
 Remarks:

ZONAL FLUX DIAGRAM

|   |       |                  |
|---|-------|------------------|
| Test:U:239.39V I:1.0311A P:238.83W PF:0.9676 Freq:50.02Hz<br>Lamp Flux:39566.7x1 lm |       |                  |
| NAME: ALDS2-SW3B500-xDS3  | TYPE: | WEIGHT:          |
| SPEC.:  | DIM.: | SERIAL No.:      |
| MFR.:   | SUR.: | Shielding Angle: |

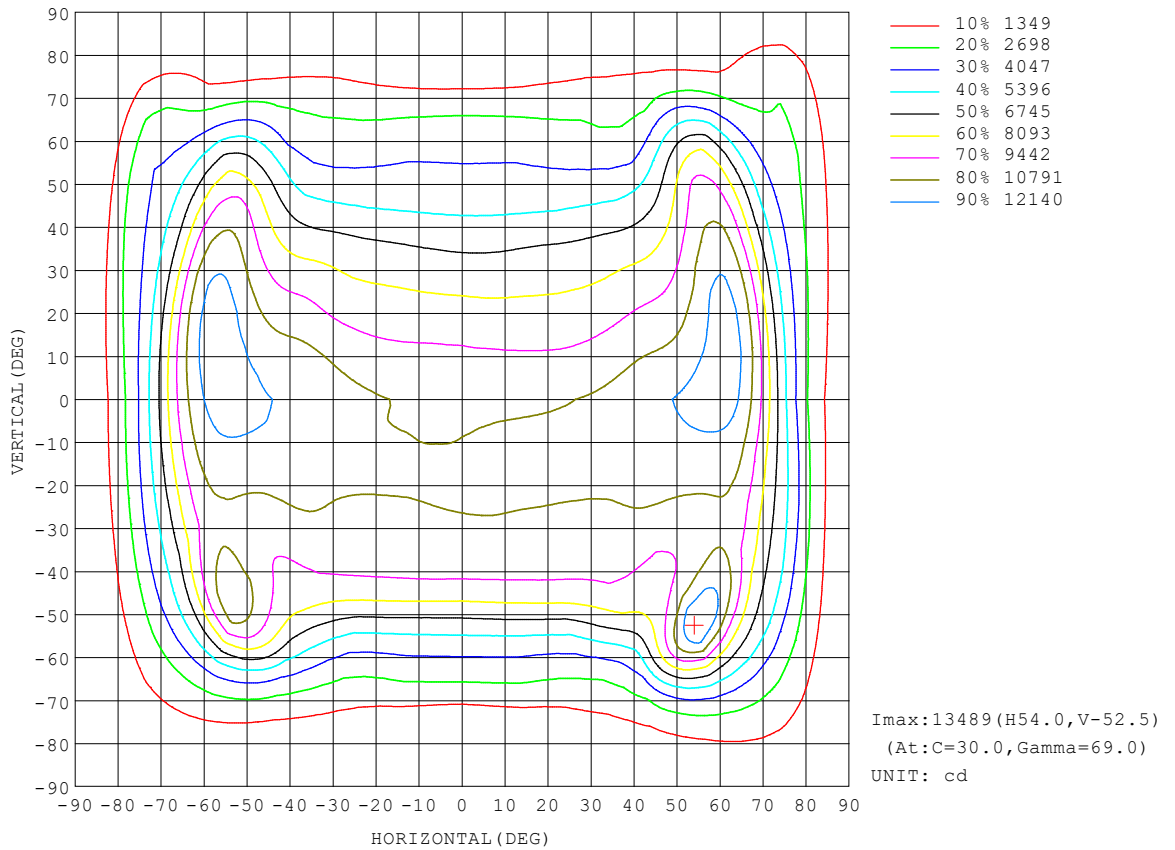
| γ   | C0                       | C45   | C90    | C135  | C180  | C225  | C270  | C315  | γ       | Φ zone  | Φ total | lum,lamp  |
|-----|--------------------------|-------|--------|-------|-------|-------|-------|-------|---------|---------|---------|-----------|
| 10  | 1065                     | 1082  | 1082   | 1070  | 1070  | 1006  | 970.6 | 988.6 | 0- 10   | 997.5   | 997.5   | 2.52,2.52 |
| 20  | 1066                     | 1098  | 1090   | 1091  | 1088  | 932.3 | 857.1 | 910.2 | 10- 20  | 2908    | 3906    | 9.87,9.87 |
| 30  | 1094                     | 1088  | 1066   | 1079  | 1146  | 858.8 | 733.0 | 830.6 | 20- 30  | 4622    | 8527    | 21.6,21.6 |
| 40  | 1157                     | 1042  | 975.2  | 1035  | 1199  | 789.9 | 580.3 | 758.6 | 30- 40  | 6053    | 14580   | 36.8,36.8 |
| 50  | 1224                     | 974.8 | 704.0  | 949.6 | 1257  | 660.5 | 448.5 | 642.3 | 40- 50  | 6916    | 21496   | 54.3,54.3 |
| 60  | 1288                     | 778.4 | 400.1  | 774.2 | 1214  | 496.0 | 349.5 | 465.6 | 50- 60  | 6961    | 28457   | 71.9,71.9 |
| 70  | 916.8                    | 441.2 | 156.4  | 470.4 | 704.7 | 358.0 | 176.7 | 315.6 | 60- 70  | 6393    | 34851   | 88.1,88.1 |
| 80  | 282.9                    | 136.9 | 34.29  | 106.9 | 204.1 | 108.0 | 57.58 | 135.6 | 70- 80  | 3550    | 38401   | 97.1,97.1 |
| 90  | 11.25                    | 2.129 | 0.8325 | 1.973 | 4.343 | 4.014 | 1.690 | 4.216 | 80- 90  | 776.4   | 39177   | 99,99     |
| 100 | 4.973                    | 2.771 | 1.539  | 3.046 | 6.722 | 4.526 | 2.381 | 4.169 | 90-100  | 37.16   | 39214   | 99.1,99.1 |
| 110 | 7.046                    | 4.157 | 2.492  | 4.410 | 8.531 | 6.037 | 3.907 | 5.731 | 100-110 | 47.38   | 39262   | 99.2,99.2 |
| 120 | 8.265                    | 5.446 | 3.599  | 5.602 | 9.320 | 7.434 | 5.710 | 7.244 | 110-120 | 58.54   | 39320   | 99.4,99.4 |
| 130 | 8.535                    | 6.504 | 4.744  | 6.045 | 9.294 | 8.059 | 7.307 | 8.515 | 120-130 | 62.95   | 39383   | 99.5,99.5 |
| 140 | 8.282                    | 7.148 | 5.753  | 6.501 | 9.005 | 8.475 | 8.387 | 9.112 | 130-140 | 59.19   | 39442   | 99.7,99.7 |
| 150 | 8.485                    | 7.740 | 6.702  | 6.940 | 9.185 | 8.911 | 8.844 | 9.392 | 140-150 | 50.76   | 39493   | 99.8,99.8 |
| 160 | 9.105                    | 8.538 | 7.759  | 7.771 | 9.595 | 9.219 | 9.275 | 9.641 | 150-160 | 39.55   | 39533   | 99.9,99.9 |
| 170 | 9.884                    | 9.337 | 8.808  | 8.908 | 10.08 | 9.547 | 9.550 | 9.755 | 160-170 | 26.00   | 39559   | 100,100   |
| 180 | 10.20                    | 9.600 | 9.302  | 9.510 | 10.24 | 9.580 | 9.323 | 9.493 | 170-180 | 9.184   | 39568   | 100,100   |
| DEG | LUMINOUS INTENSITY:X10cd |       |        |       |       |       |       |       |         | UNIT:lm |         |           |

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:07 October 2023

γ Range: 0 - 180DEG  
 γInterval: 1.0DEG  
 Test System: GO-2000B\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:7.850m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

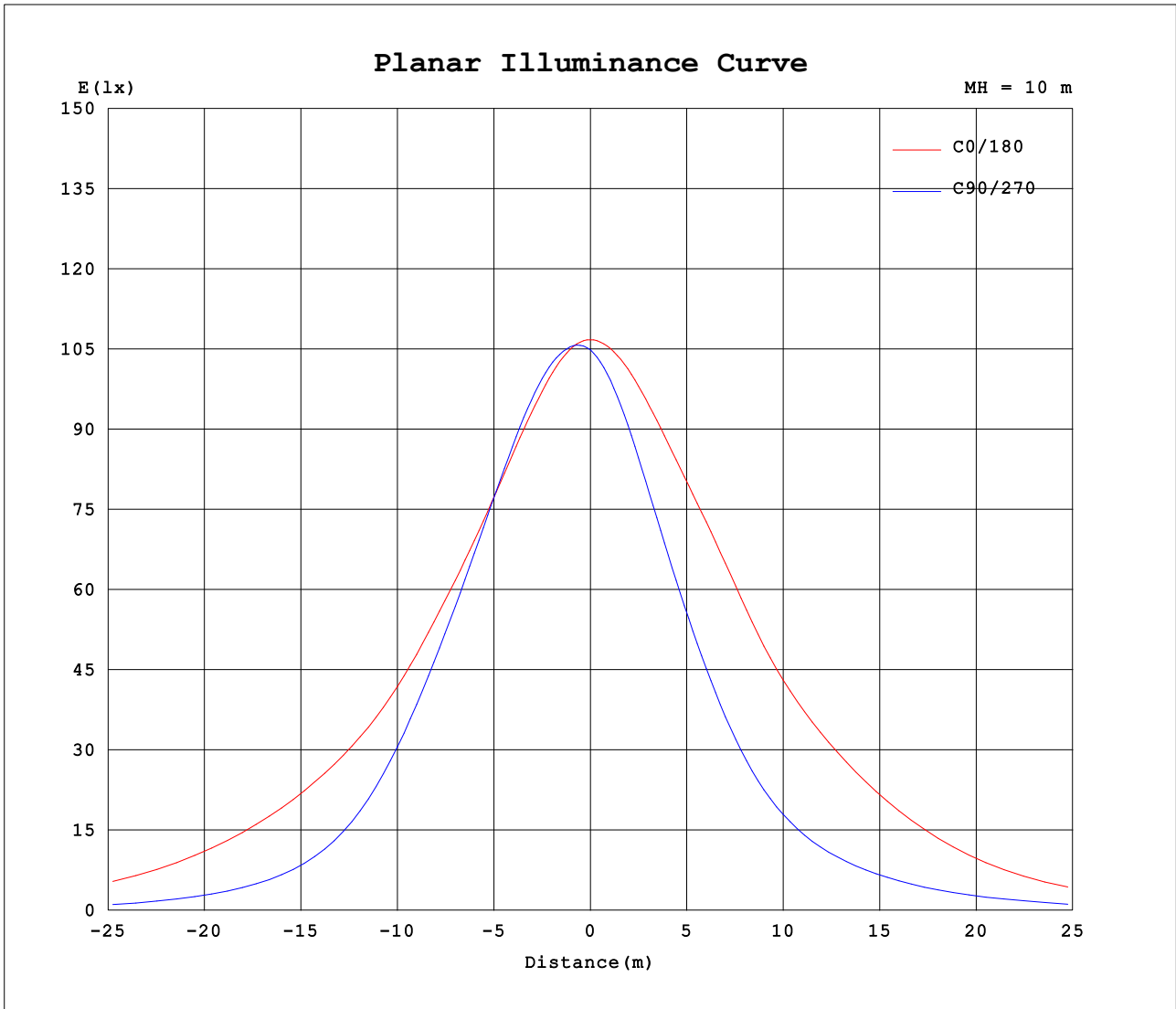
|   |       |                  |
|---|-------|------------------|
| Test:U:239.39V I:1.0311A P:238.83W PF:0.9676 Freq:50.02Hz<br>Lamp Flux:39566.7x1 lm |       |                  |
| NAME: ALDS2-SW3B500-xDS3  | TYPE: | WEIGHT:          |
| SPEC.:  | DIM.: | SERIAL No.:      |
| MFR.:   | SUR.: | Shielding Angle: |



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:07 October 2023

γ Range: 0 - 180DEG  
 γInterval: 1.0DEG  
 Test System: GO-2000B\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:7.850m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



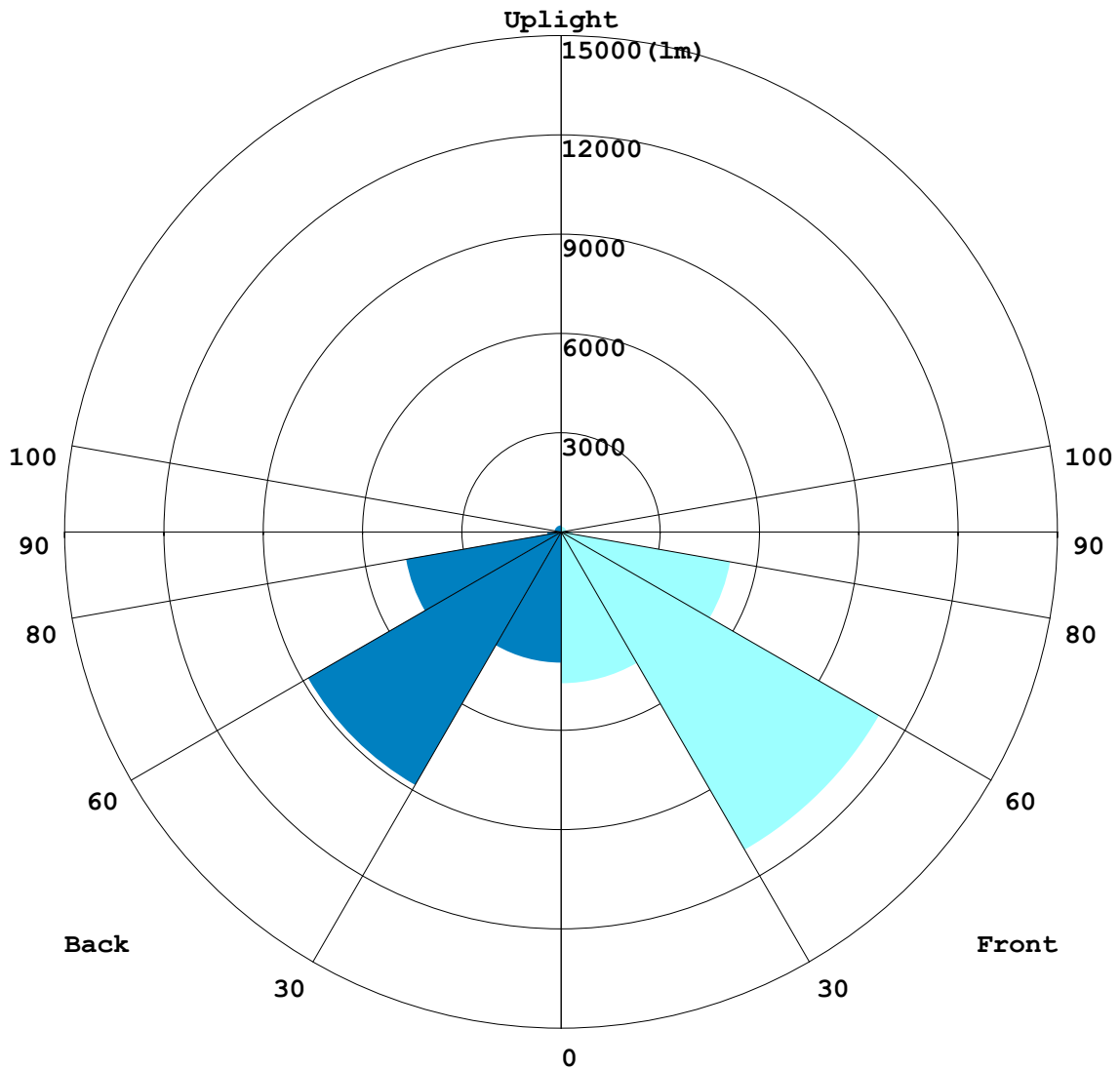
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:07 October 2023

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: GO-2000B\_V1 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:7.850m [K=1.0000]  
Remarks:

LCS REPORT

|   |       |                  |
|---|-------|------------------|
| Test:U:239.39V I:1.0311A P:238.83W PF:0.9676 Freq:50.02Hz |       |                  |
| Lamp Flux:39566.7x1 lm                                    |       |                  |
| NAME: ALDS2-SW3B500-xDS3                                  | TYPE: | WEIGHT:          |
| SPEC.:  | DIM.: | SERIAL No.:      |
| MFR.:   | SUR.: | Shielding Angle: |

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:07 October 2023

γ Range: 0 - 180DEG  
 γInterval: 1.0DEG  
 Test System: GO-2000B\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:7.850m [K=1.0000]  
 Remarks:

## BUG REPORT

|   |       |                  |
|---|-------|------------------|
| Test:U:239.39V I:1.0311A P:238.83W PF:0.9676 Freq:50.02Hz<br>Lamp Flux:39566.7x1 lm |       |                  |
| NAME: ALDS2-SW3B500-xDS3  | TYPE: | WEIGHT:          |
| SPEC.:  | DIM.: | SERIAL No.:      |
| MFR.:   | SUR.: | Shielding Angle: |

## IESNA Luminaire Flux Distribution Table:

| Zone                         | Lumens | Luminaire % |
|------------------------------|--------|-------------|
| FL - Front-Low(0-30)         | 4573.8 | 11.6        |
| FM - Front-Medium(30-60)     | 11095  | 28.0        |
| FH - Front-High(60-80)       | 5192.4 | 13.1        |
| FVH - Front-Very High(80-90) | 362.31 | 0.9         |
| Total Forward Light          | 21395  | 54.1        |

|                             |        |      |
|-----------------------------|--------|------|
| BL - Back-Low(0-30)         | 3953.7 | 10.0 |
| BM - Back-Medium(30-60)     | 8834.6 | 22.3 |
| BH - Back-High(60-80)       | 4750.8 | 12.0 |
| BVH - Back-Very High(80-90) | 414.12 | 1.0  |
| Total Back Light            | 18173  | 45.9 |

|                            |        |     |
|----------------------------|--------|-----|
| UL - Uplight-Low(90-100)   | 37.165 | 0.1 |
| UH - Uplight-High(100-180) | 353.56 | 0.9 |
| Total Up Light             | 390.72 | 1.0 |

|                           |          |
|---------------------------|----------|
| BUG(Back,Up,Glare) Rating | B5-U3-G4 |
|---------------------------|----------|

| Zone        | Downward<br>Lumens | Upward<br>Lumens | Total<br>Lumens |
|-------------|--------------------|------------------|-----------------|
| House Side  | 17953              | 219.75           | 18173           |
| Street Side | 21224              | 170.97           | 21395           |

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:07 October 2023

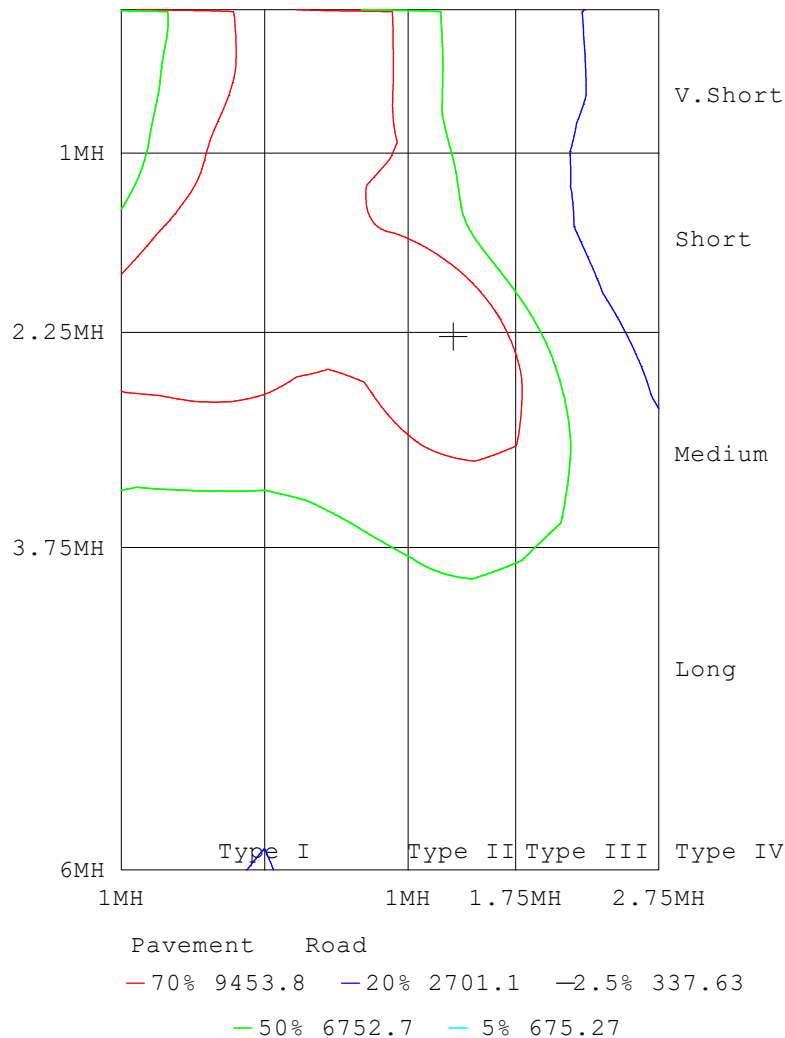
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: GO-2000B\_V1 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:7.850m [K=1.0000]  
Remarks:



ROAD ISOCANDELA REPORT

|   |       |                  |
|---|-------|------------------|
| Test:U:239.39V I:1.0311A P:238.83W PF:0.9676 Freq:50.02Hz |       |                  |
| Lamp Flux:39566.7x1 lm                                    |       |                  |
| NAME: ALDS2-SW3B500-xDS3                                  | TYPE: | WEIGHT:          |
| SPEC.:  | DIM.: | SERIAL No.:      |
| MFR.:   | SUR.: | Shielding Angle: |

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:07 October 2023

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: GO-2000B\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:7.850m [K=1.0000]  
 Remarks:

Photometric Data Table [cd]

|       |       |       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| G/C   | 0.0   | 5.0   | 10.0  | 15.0  | 20.0  | 25.0  | 30.0  | 35.0  | 40.0  | 45.0  |
| 0.0   | 10675 | 10659 | 10643 | 10629 | 10616 | 10604 | 10593 | 10580 | 10568 | 10557 |
| 3.0   | 10675 | 10673 | 10671 | 10670 | 10670 | 10670 | 10669 | 10666 | 10663 | 10661 |
| 6.0   | 10670 | 10682 | 10692 | 10702 | 10711 | 10719 | 10726 | 10730 | 10733 | 10735 |
| 9.0   | 10655 | 10681 | 10704 | 10725 | 10743 | 10760 | 10774 | 10785 | 10794 | 10801 |
| 12.0  | 10639 | 10679 | 10716 | 10749 | 10776 | 10800 | 10820 | 10836 | 10849 | 10859 |
| 15.0  | 10630 | 10690 | 10741 | 10785 | 10820 | 10848 | 10870 | 10889 | 10904 | 10915 |
| 18.0  | 10644 | 10717 | 10779 | 10831 | 10871 | 10902 | 10925 | 10942 | 10952 | 10958 |
| 21.0  | 10672 | 10759 | 10831 | 10888 | 10926 | 10951 | 10966 | 10976 | 10980 | 10979 |
| 24.0  | 10724 | 10820 | 10896 | 10952 | 10984 | 11000 | 11003 | 10999 | 10988 | 10972 |
| 27.0  | 10812 | 10913 | 10988 | 11037 | 11052 | 11048 | 11029 | 11004 | 10973 | 10939 |
| 30.0  | 10938 | 11035 | 11100 | 11132 | 11119 | 11082 | 11030 | 10981 | 10928 | 10876 |
| 33.0  | 11107 | 11188 | 11229 | 11230 | 11174 | 11092 | 10997 | 10916 | 10839 | 10767 |
| 36.0  | 11305 | 11361 | 11369 | 11331 | 11219 | 11079 | 10931 | 10819 | 10719 | 10632 |
| 39.0  | 11504 | 11544 | 11524 | 11445 | 11268 | 11060 | 10848 | 10702 | 10578 | 10473 |
| 42.0  | 11680 | 11719 | 11681 | 11565 | 11319 | 11036 | 10754 | 10577 | 10432 | 10310 |
| 45.0  | 11848 | 11859 | 11785 | 11626 | 11321 | 10976 | 10640 | 10444 | 10284 | 10140 |
| 48.0  | 12060 | 11956 | 11785 | 11547 | 11183 | 10796 | 10433 | 10246 | 10091 | 9930  |
| 51.0  | 12342 | 12040 | 11705 | 11338 | 10879 | 10432 | 10041 | 9906  | 9799  | 9649  |
| 54.0  | 12645 | 12120 | 11600 | 11084 | 10517 | 9997  | 9567  | 9475  | 9406  | 9248  |
| 57.0  | 12866 | 12132 | 11450 | 10819 | 10211 | 9675  | 9232  | 9090  | 8944  | 8676  |
| 60.0  | 12883 | 12017 | 11257 | 10605 | 10117 | 9692  | 9290  | 8869  | 8383  | 7784  |
| 63.0  | 12497 | 11663 | 11008 | 10532 | 10470 | 10409 | 10173 | 9146  | 7916  | 6630  |
| 66.0  | 11438 | 10762 | 10396 | 10340 | 11137 | 11838 | 12034 | 10166 | 7843  | 5522  |
| 69.0  | 9809  | 9317  | 9268  | 9662  | 11320 | 12805 | 13499 | 11012 | 7833  | 4674  |
| 72.0  | 7763  | 7698  | 7939  | 8487  | 10052 | 11392 | 11972 | 9676  | 6745  | 3836  |
| 75.0  | 5643  | 6148  | 6632  | 7093  | 7858  | 8357  | 8346  | 6723  | 4745  | 2814  |
| 78.0  | 3840  | 4808  | 5477  | 5846  | 5911  | 5681  | 5161  | 4123  | 2977  | 1900  |
| 81.0  | 2414  | 3197  | 3704  | 3937  | 3815  | 3477  | 2982  | 2365  | 1727  | 1146  |
| 84.0  | 1430  | 1915  | 2214  | 2326  | 2180  | 1902  | 1547  | 1202  | 866.0 | 570.4 |
| 87.0  | 634.9 | 905.1 | 1069  | 1125  | 1028  | 859.1 | 655.2 | 482.1 | 322.1 | 187.9 |
| 90.0  | 112.5 | 204.8 | 264.8 | 292.6 | 276.5 | 236.9 | 182.8 | 124.7 | 68.34 | 21.29 |
| 93.0  | 34.50 | 34.21 | 33.59 | 32.64 | 31.42 | 29.83 | 27.81 | 24.91 | 21.81 | 18.77 |
| 96.0  | 40.98 | 40.17 | 39.12 | 37.82 | 36.38 | 34.61 | 32.44 | 29.32 | 25.96 | 22.63 |
| 99.0  | 47.52 | 46.35 | 44.93 | 43.27 | 41.45 | 39.31 | 36.81 | 33.49 | 29.96 | 26.47 |
| 102.0 | 54.15 | 52.65 | 50.92 | 48.94 | 46.81 | 44.37 | 41.58 | 37.98 | 34.18 | 30.42 |
| 105.0 | 60.76 | 58.94 | 56.88 | 54.58 | 52.08 | 49.30 | 46.19 | 42.41 | 38.46 | 34.56 |
| 108.0 | 66.88 | 64.78 | 62.43 | 59.82 | 56.97 | 53.85 | 50.48 | 46.63 | 42.67 | 38.75 |
| 111.0 | 72.15 | 69.76 | 67.17 | 64.36 | 61.34 | 58.11 | 54.66 | 50.84 | 46.90 | 42.98 |
| 114.0 | 76.55 | 73.97 | 71.25 | 68.37 | 65.41 | 62.25 | 58.88 | 55.01 | 51.00 | 46.98 |
| 117.0 | 80.03 | 77.41 | 74.70 | 71.89 | 69.09 | 66.12 | 62.89 | 59.00 | 54.92 | 50.81 |
| 120.0 | 82.65 | 80.20 | 77.65 | 75.00 | 72.37 | 69.54 | 66.43 | 62.60 | 58.55 | 54.46 |
| 123.0 | 84.50 | 82.34 | 80.04 | 77.58 | 75.07 | 72.34 | 69.32 | 65.67 | 61.80 | 57.87 |
| 126.0 | 85.42 | 83.55 | 81.52 | 79.32 | 77.03 | 74.51 | 71.71 | 68.38 | 64.83 | 61.16 |
| 129.0 | 85.50 | 83.96 | 82.25 | 80.37 | 78.40 | 76.20 | 73.73 | 70.77 | 67.55 | 64.15 |
| 132.0 | 84.92 | 83.81 | 82.52 | 81.05 | 79.50 | 77.71 | 75.59 | 72.87 | 69.84 | 66.59 |
| 135.0 | 84.13 | 83.53 | 82.71 | 81.68 | 80.55 | 79.11 | 77.28 | 74.67 | 71.72 | 68.55 |
| 138.0 | 83.27 | 83.27 | 82.96 | 82.34 | 81.49 | 80.26 | 78.59 | 76.12 | 73.30 | 70.30 |
| 141.0 | 82.71 | 83.29 | 83.42 | 83.11 | 82.35 | 81.15 | 79.51 | 77.26 | 74.73 | 72.05 |
| 144.0 | 82.72 | 83.62 | 84.01 | 83.90 | 83.22 | 82.09 | 80.54 | 78.50 | 76.22 | 73.83 |
| 147.0 | 83.49 | 84.43 | 84.87 | 84.81 | 84.17 | 83.09 | 81.64 | 79.78 | 77.73 | 75.60 |
| 150.0 | 84.85 | 85.64 | 85.97 | 85.84 | 85.16 | 84.09 | 82.70 | 81.05 | 79.25 | 77.40 |
| 153.0 | 86.22 | 86.79 | 86.99 | 86.83 | 86.24 | 85.33 | 84.15 | 82.70 | 81.11 | 79.47 |
| 156.0 | 87.77 | 88.20 | 88.32 | 88.14 | 87.62 | 86.82 | 85.80 | 84.53 | 83.14 | 81.70 |
| 159.0 | 90.04 | 90.38 | 90.44 | 90.25 | 89.75 | 89.02 | 88.09 | 86.93 | 85.67 | 84.38 |
| 162.0 | 92.81 | 93.02 | 93.00 | 92.75 | 92.23 | 91.51 | 90.63 | 89.55 | 88.40 | 87.25 |
| 165.0 | 95.15 | 95.31 | 95.27 | 95.04 | 94.57 | 93.94 | 93.16 | 92.22 | 91.21 | 90.19 |
| 168.0 | 97.29 | 97.40 | 97.33 | 97.05 | 96.52 | 95.83 | 95.02 | 94.10 | 93.14 | 92.18 |
| 171.0 | 99.46 | 99.61 | 99.50 | 99.12 | 98.36 | 97.42 | 96.41 | 95.56 | 94.73 | 93.92 |
| 174.0 | 101.7 | 101.3 | 100.8 | 100.2 | 99.29 | 98.32 | 97.34 | 96.54 | 95.78 | 95.05 |
| 177.0 | 101.6 | 101.1 | 100.5 | 99.86 | 99.06 | 98.22 | 97.36 | 96.57 | 95.82 | 95.09 |
| 180.0 | 102.0 | 101.5 | 100.9 | 100.2 | 99.53 | 98.78 | 98.03 | 97.32 | 96.64 | 96.00 |
| G/C   | 50.0  | 55.0  | 60.0  | 65.0  | 70.0  | 75.0  | 80.0  | 85.0  | 90.0  | 95.0  |
| 0.0   | 10550 | 10544 | 10538 | 10528 | 10518 | 10507 | 10501 | 10494 | 10486 | 10472 |
| 3.0   | 10660 | 10660 | 10658 | 10653 | 10646 | 10638 | 10632 | 10625 | 10616 | 10604 |
| 6.0   | 10740 | 10744 | 10746 | 10745 | 10741 | 10736 | 10731 | 10725 | 10716 | 10702 |
| 9.0   | 10809 | 10815 | 10819 | 10820 | 10818 | 10815 | 10811 | 10805 | 10797 | 10783 |
| 12.0  | 10868 | 10876 | 10881 | 10885 | 10886 | 10885 | 10879 | 10872 | 10861 | 10848 |
| 15.0  | 10924 | 10931 | 10935 | 10936 | 10932 | 10924 | 10924 | 10914 | 10902 | 10891 |
| 18.0  | 10962 | 10963 | 10962 | 10960 | 10955 | 10948 | 10937 | 10925 | 10912 | 10901 |
| 21.0  | 10973 | 10964 | 10955 | 10949 | 10943 | 10936 | 10923 | 10908 | 10894 | 10882 |
| 24.0  | 10955 | 10936 | 10918 | 10907 | 10898 | 10889 | 10875 | 10862 | 10849 | 10838 |
| 27.0  | 10906 | 10875 | 10849 | 10835 | 10825 | 10816 | 10802 | 10788 | 10775 | 10764 |
| 30.0  | 10829 | 10787 | 10752 | 10733 | 10720 | 10709 | 10693 | 10678 | 10665 | 10657 |

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:07 October 2023

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: GO-2000B\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:7.850m [K=1.0000]  
 Remarks:

Photometric Data Table [cd]

|       |       |       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 33.0  | 10711 | 10664 | 10625 | 10593 | 10567 | 10545 | 10525 | 10509 | 10498 | 10497 |
| 36.0  | 10563 | 10505 | 10455 | 10409 | 10369 | 10334 | 10300 | 10273 | 10257 | 10263 |
| 39.0  | 10387 | 10313 | 10246 | 10171 | 10100 | 10035 | 9974  | 9928  | 9903  | 9922  |
| 42.0  | 10198 | 10093 | 9988  | 9860  | 9733  | 9614  | 9509  | 9430  | 9388  | 9421  |
| 45.0  | 9972  | 9800  | 9620  | 9413  | 9208  | 9018  | 8851  | 8726  | 8658  | 8702  |
| 48.0  | 9661  | 9365  | 9056  | 8749  | 8456  | 8195  | 7977  | 7819  | 7736  | 7775  |
| 51.0  | 9220  | 8728  | 8225  | 7819  | 7462  | 7163  | 6929  | 6769  | 6688  | 6709  |
| 54.0  | 8603  | 7864  | 7135  | 6681  | 6329  | 6064  | 5856  | 5721  | 5661  | 5672  |
| 57.0  | 7812  | 6855  | 5954  | 5513  | 5230  | 5060  | 4901  | 4805  | 4768  | 4774  |
| 60.0  | 6785  | 5766  | 4865  | 4493  | 4305  | 4232  | 4111  | 4034  | 4001  | 4008  |
| 63.0  | 5568  | 4652  | 3936  | 3646  | 3532  | 3517  | 3417  | 3345  | 3307  | 3317  |
| 66.0  | 4371  | 3604  | 3144  | 2916  | 2845  | 2855  | 2756  | 2675  | 2624  | 2642  |
| 69.0  | 3433  | 2753  | 2458  | 2235  | 2154  | 2143  | 2014  | 1904  | 1834  | 1867  |
| 72.0  | 2705  | 2086  | 1813  | 1567  | 1447  | 1399  | 1285  | 1199  | 1153  | 1178  |
| 75.0  | 2005  | 1535  | 1296  | 1079  | 954.7 | 892.1 | 821.6 | 780.2 | 766.3 | 772.0 |
| 78.0  | 1377  | 1046  | 855.9 | 709.4 | 626.9 | 586.4 | 537.7 | 507.9 | 496.0 | 497.9 |
| 81.0  | 838.7 | 637.3 | 514.5 | 423.7 | 370.7 | 342.5 | 307.7 | 284.7 | 273.7 | 276.7 |
| 84.0  | 408.8 | 303.7 | 239.7 | 190.3 | 159.8 | 141.2 | 117.2 | 99.19 | 88.33 | 89.11 |
| 87.0  | 122.0 | 85.13 | 67.82 | 51.94 | 43.01 | 37.95 | 28.17 | 20.26 | 15.29 | 18.15 |
| 90.0  | 8.101 | 6.418 | 10.94 | 9.648 | 9.024 | 8.824 | 8.483 | 8.318 | 8.325 | 8.472 |
| 93.0  | 16.37 | 14.31 | 12.65 | 11.53 | 10.78 | 10.32 | 10.06 | 10.00 | 10.12 | 10.26 |
| 96.0  | 19.84 | 17.40 | 15.37 | 14.00 | 13.04 | 12.45 | 12.14 | 12.08 | 12.20 | 12.31 |
| 99.0  | 23.42 | 20.72 | 18.43 | 16.82 | 15.65 | 14.89 | 14.51 | 14.42 | 14.55 | 14.63 |
| 102.0 | 27.12 | 24.17 | 21.66 | 19.81 | 18.45 | 17.54 | 17.10 | 17.00 | 17.14 | 17.21 |
| 105.0 | 31.05 | 27.88 | 25.14 | 23.05 | 21.48 | 20.39 | 19.89 | 19.77 | 19.93 | 19.99 |
| 108.0 | 35.08 | 31.71 | 28.76 | 26.45 | 24.68 | 23.42 | 22.86 | 22.71 | 22.88 | 22.94 |
| 111.0 | 39.16 | 35.60 | 32.43 | 29.95 | 28.01 | 26.62 | 25.99 | 25.81 | 25.97 | 26.02 |
| 114.0 | 43.07 | 39.40 | 36.12 | 33.50 | 31.43 | 29.94 | 29.24 | 29.04 | 29.19 | 29.25 |
| 117.0 | 46.87 | 43.17 | 39.86 | 37.18 | 35.04 | 33.47 | 32.69 | 32.41 | 32.51 | 32.61 |
| 120.0 | 50.55 | 46.89 | 43.59 | 40.89 | 38.71 | 37.10 | 36.27 | 35.93 | 35.99 | 36.10 |
| 123.0 | 54.03 | 50.41 | 47.15 | 44.52 | 42.42 | 40.84 | 39.97 | 39.57 | 39.56 | 39.65 |
| 126.0 | 57.37 | 53.75 | 50.48 | 47.98 | 45.99 | 44.52 | 43.64 | 43.19 | 43.11 | 43.16 |
| 129.0 | 60.42 | 56.79 | 53.50 | 51.12 | 49.25 | 47.88 | 47.00 | 46.53 | 46.40 | 46.43 |
| 132.0 | 63.02 | 59.54 | 56.37 | 54.08 | 52.30 | 50.98 | 50.12 | 49.64 | 49.50 | 49.53 |
| 135.0 | 65.23 | 62.02 | 59.10 | 56.95 | 55.27 | 54.01 | 53.18 | 52.70 | 52.54 | 52.56 |
| 138.0 | 67.29 | 64.40 | 61.78 | 59.79 | 58.19 | 56.97 | 56.16 | 55.68 | 55.49 | 55.48 |
| 141.0 | 69.42 | 66.90 | 64.59 | 62.72 | 61.18 | 59.98 | 59.21 | 58.74 | 58.53 | 58.44 |
| 144.0 | 71.54 | 69.36 | 67.34 | 65.62 | 64.17 | 63.00 | 62.25 | 61.77 | 61.51 | 61.32 |
| 147.0 | 73.62 | 71.72 | 69.96 | 68.40 | 67.05 | 65.94 | 65.19 | 64.66 | 64.31 | 64.01 |
| 150.0 | 75.67 | 74.03 | 72.49 | 71.12 | 69.92 | 68.89 | 68.11 | 67.49 | 67.02 | 66.59 |
| 153.0 | 77.94 | 76.48 | 75.10 | 73.86 | 72.74 | 71.77 | 70.98 | 70.33 | 69.79 | 69.26 |
| 156.0 | 80.36 | 79.07 | 77.84 | 76.70 | 75.65 | 74.70 | 73.91 | 73.23 | 72.65 | 72.11 |
| 159.0 | 83.24 | 82.14 | 81.09 | 80.05 | 79.08 | 78.19 | 77.46 | 76.83 | 76.28 | 75.75 |
| 162.0 | 86.28 | 85.35 | 84.45 | 83.49 | 82.57 | 81.73 | 81.06 | 80.49 | 80.01 | 79.58 |
| 165.0 | 89.33 | 88.49 | 87.67 | 86.76 | 85.90 | 85.12 | 84.57 | 84.13 | 83.76 | 83.40 |
| 168.0 | 91.38 | 90.62 | 89.87 | 89.03 | 88.24 | 87.54 | 87.09 | 86.74 | 86.47 | 86.19 |
| 171.0 | 93.14 | 92.38 | 91.64 | 90.87 | 90.17 | 89.57 | 89.23 | 89.00 | 88.86 | 88.71 |
| 174.0 | 94.30 | 93.58 | 92.91 | 92.28 | 91.73 | 91.28 | 90.98 | 90.78 | 90.66 | 90.62 |
| 177.0 | 94.38 | 93.72 | 93.10 | 92.53 | 92.02 | 91.61 | 91.35 | 91.19 | 91.12 | 91.14 |
| 180.0 | 95.40 | 94.86 | 94.37 | 93.94 | 93.58 | 93.30 | 93.12 | 93.03 | 93.02 | 93.16 |
| G/C   | 100.0 | 105.0 | 110.0 | 115.0 | 120.0 | 125.0 | 130.0 | 135.0 | 140.0 | 145.0 |
| 0.0   | 10457 | 10444 | 10441 | 10439 | 10438 | 10432 | 10426 | 10421 | 10421 | 10422 |
| 3.0   | 10591 | 10579 | 10572 | 10566 | 10559 | 10547 | 10535 | 10522 | 10514 | 10505 |
| 6.0   | 10687 | 10673 | 10664 | 10657 | 10648 | 10635 | 10620 | 10605 | 10593 | 10580 |
| 9.0   | 10768 | 10753 | 10743 | 10732 | 10722 | 10710 | 10696 | 10682 | 10669 | 10654 |
| 12.0  | 10834 | 10821 | 10812 | 10803 | 10793 | 10779 | 10764 | 10749 | 10739 | 10727 |
| 15.0  | 10880 | 10869 | 10861 | 10854 | 10847 | 10839 | 10830 | 10821 | 10815 | 10806 |
| 18.0  | 10891 | 10883 | 10879 | 10876 | 10875 | 10874 | 10874 | 10875 | 10881 | 10883 |
| 21.0  | 10873 | 10867 | 10865 | 10868 | 10874 | 10885 | 10899 | 10915 | 10935 | 10952 |
| 24.0  | 10830 | 10825 | 10823 | 10827 | 10837 | 10858 | 10885 | 10916 | 10955 | 10994 |
| 27.0  | 10756 | 10751 | 10747 | 10749 | 10760 | 10788 | 10827 | 10874 | 10933 | 10996 |
| 30.0  | 10652 | 10650 | 10644 | 10645 | 10655 | 10684 | 10727 | 10786 | 10866 | 10957 |
| 33.0  | 10500 | 10506 | 10501 | 10503 | 10514 | 10546 | 10596 | 10666 | 10768 | 10889 |
| 36.0  | 10278 | 10298 | 10308 | 10323 | 10348 | 10386 | 10444 | 10528 | 10659 | 10817 |
| 39.0  | 9961  | 10010 | 10049 | 10094 | 10148 | 10205 | 10284 | 10392 | 10561 | 10762 |
| 42.0  | 9489  | 9582  | 9675  | 9780  | 9892  | 9995  | 10113 | 10256 | 10455 | 10682 |
| 45.0  | 8803  | 8947  | 9114  | 9301  | 9500  | 9690  | 9883  | 10079 | 10264 | 10461 |
| 48.0  | 7892  | 8074  | 8315  | 8594  | 8896  | 9208  | 9509  | 9779  | 9921  | 10056 |
| 51.0  | 6815  | 7001  | 7282  | 7627  | 8021  | 8491  | 8950  | 9353  | 9503  | 9621  |
| 54.0  | 5759  | 5927  | 6169  | 6502  | 6934  | 7597  | 8282  | 8904  | 9159  | 9346  |
| 57.0  | 4839  | 4968  | 5112  | 5369  | 5783  | 6608  | 7519  | 8403  | 8940  | 9375  |
| 60.0  | 4061  | 4160  | 4215  | 4391  | 4760  | 5619  | 6646  | 7742  | 8791  | 9727  |
| 63.0  | 3364  | 3446  | 3437  | 3551  | 3878  | 4704  | 5777  | 7040  | 8697  | 10234 |
| 66.0  | 2694  | 2775  | 2740  | 2822  | 3116  | 3864  | 4907  | 6230  | 8325  | 10295 |

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:07 October 2023

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: GO-2000B\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:7.850m [K=1.0000]  
 Remarks:

Photometric Data Table [cd]

|       |       |       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 69.0  | 1945  | 2055  | 2060  | 2162  | 2442  | 3061  | 3952  | 5129  | 7175  | 9114  |
| 72.0  | 1246  | 1350  | 1415  | 1555  | 1816  | 2280  | 2928  | 3778  | 5247  | 6655  |
| 75.0  | 806.4 | 872.2 | 948.2 | 1080  | 1287  | 1604  | 2030  | 2578  | 3473  | 4356  |
| 78.0  | 518.2 | 558.6 | 605.8 | 687.1 | 815.2 | 1010  | 1271  | 1606  | 2130  | 2662  |
| 81.0  | 290.9 | 315.4 | 337.8 | 376.9 | 440.5 | 535.7 | 670.8 | 853.5 | 1152  | 1469  |
| 84.0  | 96.46 | 108.8 | 116.0 | 131.4 | 159.9 | 209.1 | 278.8 | 372.0 | 514.6 | 668.5 |
| 87.0  | 23.24 | 28.78 | 28.44 | 28.41 | 30.33 | 34.68 | 45.16 | 64.27 | 104.8 | 151.3 |
| 90.0  | 8.804 | 9.337 | 9.986 | 10.94 | 12.31 | 14.36 | 16.86 | 19.73 | 23.03 | 26.52 |
| 93.0  | 10.59 | 11.15 | 11.99 | 13.18 | 14.79 | 17.09 | 19.77 | 22.76 | 25.88 | 29.19 |
| 96.0  | 12.62 | 13.21 | 14.19 | 15.55 | 17.34 | 19.72 | 22.48 | 25.53 | 28.94 | 32.36 |
| 99.0  | 14.95 | 15.60 | 16.77 | 18.37 | 20.40 | 22.96 | 25.89 | 29.16 | 32.98 | 36.79 |
| 102.0 | 17.55 | 18.26 | 19.60 | 21.41 | 23.68 | 26.48 | 29.66 | 33.15 | 37.12 | 41.07 |
| 105.0 | 20.35 | 21.12 | 22.63 | 24.64 | 27.14 | 30.17 | 33.55 | 37.19 | 41.12 | 45.03 |
| 108.0 | 23.32 | 24.17 | 25.82 | 28.01 | 30.69 | 33.93 | 37.50 | 41.28 | 45.21 | 49.08 |
| 111.0 | 26.43 | 27.32 | 29.08 | 31.41 | 34.27 | 37.76 | 41.57 | 45.53 | 49.43 | 53.21 |
| 114.0 | 29.69 | 30.63 | 32.42 | 34.81 | 37.75 | 41.44 | 45.44 | 49.54 | 53.38 | 57.03 |
| 117.0 | 33.08 | 34.02 | 35.62 | 37.79 | 40.56 | 44.26 | 48.34 | 52.55 | 56.52 | 60.29 |
| 120.0 | 36.58 | 37.52 | 39.03 | 41.13 | 43.83 | 47.58 | 51.73 | 56.02 | 60.01 | 63.78 |
| 123.0 | 40.11 | 41.01 | 42.44 | 44.41 | 47.00 | 50.65 | 54.70 | 58.89 | 62.74 | 66.35 |
| 126.0 | 43.57 | 44.40 | 45.79 | 47.67 | 50.01 | 52.96 | 56.29 | 59.90 | 63.93 | 67.89 |
| 129.0 | 46.81 | 47.55 | 48.81 | 50.45 | 52.44 | 54.63 | 57.20 | 60.20 | 64.29 | 68.47 |
| 132.0 | 49.87 | 50.54 | 51.66 | 53.10 | 54.79 | 56.49 | 58.50 | 60.96 | 64.56 | 68.38 |
| 135.0 | 52.85 | 53.44 | 54.44 | 55.69 | 57.12 | 58.47 | 60.06 | 62.01 | 64.80 | 67.87 |
| 138.0 | 55.73 | 56.23 | 57.07 | 58.14 | 59.38 | 60.71 | 62.17 | 63.76 | 65.32 | 67.12 |
| 141.0 | 58.56 | 58.93 | 59.62 | 60.54 | 61.63 | 62.87 | 64.22 | 65.61 | 66.68 | 67.96 |
| 144.0 | 61.33 | 61.56 | 62.14 | 62.93 | 63.88 | 64.89 | 66.00 | 67.18 | 68.29 | 69.53 |
| 147.0 | 63.87 | 63.92 | 64.24 | 64.75 | 65.42 | 66.18 | 67.10 | 68.20 | 69.66 | 71.21 |
| 150.0 | 66.31 | 66.19 | 66.31 | 66.61 | 67.07 | 67.65 | 68.41 | 69.40 | 70.85 | 72.41 |
| 153.0 | 68.86 | 68.62 | 68.66 | 68.90 | 69.30 | 69.85 | 70.55 | 71.37 | 72.31 | 73.34 |
| 156.0 | 71.70 | 71.44 | 71.43 | 71.59 | 71.90 | 72.31 | 72.87 | 73.55 | 74.43 | 75.40 |
| 159.0 | 75.33 | 75.05 | 75.00 | 75.10 | 75.33 | 75.60 | 76.00 | 76.53 | 77.33 | 78.24 |
| 162.0 | 79.24 | 79.01 | 78.94 | 78.98 | 79.10 | 79.25 | 79.51 | 79.91 | 80.59 | 81.40 |
| 165.0 | 83.10 | 82.88 | 82.74 | 82.68 | 82.71 | 82.76 | 82.94 | 83.26 | 83.90 | 84.66 |
| 168.0 | 85.96 | 85.80 | 85.69 | 85.67 | 85.75 | 85.99 | 86.34 | 86.78 | 87.35 | 87.98 |
| 171.0 | 88.61 | 88.55 | 88.50 | 88.53 | 88.66 | 88.93 | 89.36 | 89.96 | 90.87 | 91.90 |
| 174.0 | 90.64 | 90.69 | 90.67 | 90.69 | 90.81 | 91.12 | 91.57 | 92.17 | 92.75 | 93.66 |
| 177.0 | 91.23 | 91.35 | 91.44 | 91.57 | 91.77 | 92.10 | 92.54 | 93.11 | 93.64 | 94.46 |
| 180.0 | 93.36 | 93.56 | 93.63 | 93.72 | 93.86 | 94.16 | 94.57 | 95.10 | 95.58 | 96.33 |
| G/C   | 150.0 | 155.0 | 160.0 | 165.0 | 170.0 | 175.0 | 180.0 | 185.0 | 190.0 | 195.0 |
| 0.0   | 10423 | 10410 | 10407 | 10422 | 10505 | 10597 | 10675 | 10678 | 10659 | 10629 |
| 3.0   | 10497 | 10472 | 10457 | 10459 | 10530 | 10609 | 10674 | 10662 | 10628 | 10584 |
| 6.0   | 10566 | 10534 | 10509 | 10501 | 10562 | 10629 | 10682 | 10655 | 10604 | 10543 |
| 9.0   | 10636 | 10600 | 10570 | 10555 | 10605 | 10659 | 10696 | 10652 | 10584 | 10504 |
| 12.0  | 10711 | 10675 | 10641 | 10620 | 10658 | 10697 | 10717 | 10655 | 10565 | 10461 |
| 15.0  | 10791 | 10755 | 10720 | 10694 | 10724 | 10751 | 10754 | 10670 | 10556 | 10424 |
| 18.0  | 10880 | 10850 | 10819 | 10792 | 10814 | 10829 | 10816 | 10710 | 10568 | 10406 |
| 21.0  | 10963 | 10950 | 10932 | 10915 | 10937 | 10944 | 10916 | 10783 | 10610 | 10410 |
| 24.0  | 11028 | 11047 | 11058 | 11063 | 11093 | 11097 | 11055 | 10897 | 10688 | 10446 |
| 27.0  | 11059 | 11119 | 11172 | 11214 | 11267 | 11283 | 11239 | 11057 | 10812 | 10524 |
| 30.0  | 11056 | 11165 | 11268 | 11358 | 11449 | 11493 | 11462 | 11268 | 10993 | 10659 |
| 33.0  | 11027 | 11190 | 11351 | 11496 | 11630 | 11704 | 11689 | 11490 | 11193 | 10818 |
| 36.0  | 10998 | 11220 | 11440 | 11636 | 11794 | 11880 | 11866 | 11668 | 11360 | 10959 |
| 39.0  | 10987 | 11254 | 11512 | 11738 | 11905 | 11989 | 11967 | 11760 | 11440 | 11022 |
| 42.0  | 10930 | 11214 | 11490 | 11734 | 11937 | 12053 | 12048 | 11806 | 11438 | 10975 |
| 45.0  | 10682 | 10980 | 11289 | 11586 | 11896 | 12116 | 12187 | 11916 | 11486 | 10943 |
| 48.0  | 10228 | 10577 | 10974 | 11388 | 11855 | 12225 | 12416 | 12162 | 11700 | 11082 |
| 51.0  | 9779  | 10186 | 10668 | 11188 | 11799 | 12314 | 12634 | 12470 | 12053 | 11425 |
| 54.0  | 9546  | 9976  | 10477 | 11028 | 11713 | 12322 | 12753 | 12756 | 12483 | 11941 |
| 57.0  | 9747  | 10108 | 10477 | 10884 | 11526 | 12144 | 12642 | 12868 | 12831 | 12479 |
| 60.0  | 10466 | 10624 | 10642 | 10661 | 11120 | 11639 | 12137 | 12566 | 12784 | 12685 |
| 63.0  | 11398 | 11207 | 10682 | 10114 | 10300 | 10651 | 11081 | 11553 | 11900 | 12000 |
| 66.0  | 11748 | 11208 | 10179 | 9080  | 9023  | 9214  | 9553  | 9930  | 10261 | 10450 |
| 69.0  | 10537 | 9933  | 8823  | 7626  | 7444  | 7500  | 7700  | 7871  | 8058  | 8227  |
| 72.0  | 7722  | 7444  | 6803  | 6059  | 5857  | 5786  | 5816  | 5917  | 6068  | 6246  |
| 75.0  | 5082  | 5197  | 5092  | 4850  | 4564  | 4302  | 4139  | 4393  | 4721  | 5017  |
| 78.0  | 3129  | 3345  | 3436  | 3415  | 3163  | 2922  | 2800  | 3297  | 3844  | 4258  |
| 81.0  | 1765  | 1967  | 2100  | 2154  | 1949  | 1769  | 1730  | 2409  | 3111  | 3602  |
| 84.0  | 819.0 | 948.8 | 1047  | 1101  | 977.5 | 873.2 | 865.2 | 1349  | 1844  | 2189  |
| 87.0  | 198.7 | 240.9 | 274.4 | 294.9 | 264.4 | 237.2 | 234.1 | 358.0 | 485.9 | 577.2 |
| 90.0  | 30.06 | 33.59 | 36.86 | 39.67 | 41.22 | 42.39 | 43.43 | 45.37 | 47.14 | 48.44 |
| 93.0  | 32.63 | 36.34 | 39.98 | 43.40 | 46.40 | 48.86 | 50.63 | 51.26 | 51.10 | 50.22 |
| 96.0  | 35.58 | 37.50 | 39.50 | 42.06 | 47.59 | 53.18 | 57.83 | 58.73 | 58.11 | 56.34 |
| 99.0  | 40.31 | 42.01 | 43.80 | 46.34 | 52.77 | 59.37 | 64.91 | 65.88 | 65.03 | 62.86 |
| 102.0 | 44.77 | 46.78 | 48.92 | 51.84 | 58.75 | 65.78 | 71.63 | 72.58 | 71.57 | 69.10 |

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:07 October 2023

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: GO-2000B\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:7.850m [K=1.0000]  
 Remarks:

Photometric Data Table [cd]

|       |       |       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 105.0 | 48.73 | 50.98 | 53.46 | 56.75 | 64.11 | 71.53 | 77.66 | 78.59 | 77.41 | 74.65 |
| 108.0 | 52.74 | 55.02 | 57.55 | 60.96 | 68.56 | 76.23 | 82.57 | 83.55 | 82.34 | 79.49 |
| 111.0 | 56.75 | 58.95 | 61.42 | 64.79 | 72.39 | 80.10 | 86.51 | 87.63 | 86.58 | 83.86 |
| 114.0 | 60.40 | 62.46 | 64.78 | 68.01 | 75.45 | 83.06 | 89.46 | 90.81 | 90.06 | 87.69 |
| 117.0 | 63.75 | 65.80 | 68.06 | 71.15 | 78.22 | 85.48 | 91.65 | 93.22 | 92.85 | 90.94 |
| 120.0 | 67.19 | 69.16 | 71.26 | 74.11 | 80.66 | 87.41 | 93.20 | 94.88 | 94.79 | 93.27 |
| 123.0 | 69.62 | 71.57 | 73.63 | 76.35 | 82.40 | 88.63 | 94.01 | 95.77 | 95.92 | 94.73 |
| 126.0 | 71.51 | 73.42 | 75.29 | 77.71 | 83.23 | 88.96 | 93.95 | 95.82 | 96.23 | 95.38 |
| 129.0 | 72.37 | 74.37 | 76.25 | 78.53 | 83.54 | 88.71 | 93.27 | 95.24 | 95.93 | 95.45 |
| 132.0 | 72.09 | 74.39 | 76.61 | 79.13 | 83.64 | 88.20 | 92.21 | 94.12 | 94.92 | 94.70 |
| 135.0 | 71.03 | 73.62 | 76.29 | 79.21 | 83.45 | 87.60 | 91.15 | 92.74 | 93.35 | 93.13 |
| 138.0 | 69.29 | 72.21 | 75.50 | 79.06 | 83.23 | 87.13 | 90.32 | 91.45 | 91.69 | 91.31 |
| 141.0 | 69.68 | 72.57 | 75.91 | 79.51 | 83.50 | 87.14 | 90.01 | 90.66 | 90.48 | 89.85 |
| 144.0 | 71.01 | 72.74 | 74.91 | 77.62 | 82.12 | 86.55 | 90.18 | 90.58 | 90.01 | 88.99 |
| 147.0 | 72.75 | 73.46 | 74.50 | 76.30 | 81.25 | 86.42 | 90.79 | 91.16 | 90.38 | 89.12 |
| 150.0 | 73.94 | 74.50 | 75.38 | 77.08 | 82.10 | 87.37 | 91.85 | 92.21 | 91.39 | 90.06 |
| 153.0 | 74.46 | 75.12 | 76.23 | 78.18 | 83.21 | 88.45 | 92.88 | 93.29 | 92.52 | 91.24 |
| 156.0 | 76.45 | 76.93 | 77.86 | 79.64 | 84.58 | 89.76 | 94.16 | 94.59 | 93.86 | 92.60 |
| 159.0 | 79.23 | 79.69 | 80.56 | 82.19 | 86.72 | 91.46 | 95.47 | 95.81 | 95.06 | 93.83 |
| 162.0 | 82.31 | 82.78 | 83.62 | 85.13 | 89.16 | 93.35 | 96.86 | 97.04 | 96.24 | 94.99 |
| 165.0 | 85.50 | 85.89 | 86.59 | 87.89 | 91.47 | 95.18 | 98.27 | 98.33 | 97.50 | 96.26 |
| 168.0 | 88.61 | 88.74 | 89.16 | 90.16 | 93.45 | 96.89 | 99.75 | 99.68 | 98.76 | 97.46 |
| 171.0 | 92.98 | 93.84 | 94.77 | 95.90 | 97.96 | 99.92 | 101.4 | 101.0 | 99.97 | 98.77 |
| 174.0 | 95.05 | 98.03 | 101.1 | 103.7 | 104.1 | 103.8 | 103.0 | 102.1 | 101.0 | 99.93 |
| 177.0 | 95.73 | 98.53 | 101.4 | 103.8 | 104.1 | 103.8 | 102.9 | 102.2 | 101.3 | 100.4 |
| 180.0 | 97.50 | 100.1 | 102.8 | 104.9 | 104.7 | 103.7 | 102.4 | 101.6 | 100.8 | 100.0 |
| G/C   | 200.0 | 205.0 | 210.0 | 215.0 | 220.0 | 225.0 | 230.0 | 235.0 | 240.0 | 245.0 |
| 0.0   | 10616 | 10604 | 10593 | 10580 | 10568 | 10557 | 10550 | 10544 | 10538 | 10528 |
| 3.0   | 10558 | 10534 | 10509 | 10483 | 10457 | 10433 | 10414 | 10398 | 10383 | 10364 |
| 6.0   | 10501 | 10459 | 10418 | 10374 | 10331 | 10290 | 10258 | 10228 | 10200 | 10168 |
| 9.0   | 10439 | 10375 | 10311 | 10246 | 10182 | 10122 | 10070 | 10023 | 9978  | 9932  |
| 12.0  | 10371 | 10280 | 10189 | 10096 | 10006 | 9921  | 9849  | 9783  | 9722  | 9660  |
| 15.0  | 10303 | 10180 | 10057 | 9934  | 9815  | 9703  | 9607  | 9519  | 9439  | 9361  |
| 18.0  | 10251 | 10091 | 9931  | 9773  | 9621  | 9478  | 9355  | 9243  | 9143  | 9049  |
| 21.0  | 10211 | 10007 | 9803  | 9606  | 9418  | 9245  | 9096  | 8963  | 8846  | 8738  |
| 24.0  | 10198 | 9943  | 9688  | 9446  | 9219  | 9011  | 8840  | 8690  | 8557  | 8432  |
| 27.0  | 10219 | 9903  | 9589  | 9301  | 9034  | 8794  | 8600  | 8433  | 8287  | 8145  |
| 30.0  | 10283 | 9891  | 9503  | 9166  | 8860  | 8588  | 8374  | 8190  | 8028  | 7863  |
| 33.0  | 10367 | 9891  | 9421  | 9032  | 8684  | 8381  | 8146  | 7944  | 7762  | 7559  |
| 36.0  | 10451 | 9908  | 9369  | 8925  | 8527  | 8177  | 7898  | 7656  | 7435  | 7191  |
| 39.0  | 10495 | 9925  | 9350  | 8851  | 8389  | 7970  | 7620  | 7309  | 7029  | 6746  |
| 42.0  | 10447 | 9880  | 9298  | 8752  | 8228  | 7737  | 7301  | 6908  | 6559  | 6250  |
| 45.0  | 10358 | 9734  | 9100  | 8512  | 7947  | 7412  | 6903  | 6442  | 6040  | 5733  |
| 48.0  | 10369 | 9602  | 8830  | 8163  | 7539  | 6961  | 6408  | 5917  | 5503  | 5224  |
| 51.0  | 10585 | 9649  | 8692  | 7866  | 7106  | 6425  | 5852  | 5376  | 5003  | 4773  |
| 54.0  | 11008 | 9911  | 8752  | 7708  | 6744  | 5903  | 5304  | 4856  | 4543  | 4376  |
| 57.0  | 11543 | 10356 | 9035  | 7719  | 6476  | 5401  | 4776  | 4365  | 4123  | 3993  |
| 60.0  | 11888 | 10766 | 9414  | 7843  | 6304  | 4960  | 4299  | 3916  | 3729  | 3595  |
| 63.0  | 11541 | 10738 | 9618  | 7917  | 6161  | 4588  | 3891  | 3513  | 3351  | 3206  |
| 66.0  | 10362 | 9976  | 9230  | 7604  | 5838  | 4211  | 3518  | 3141  | 2977  | 2822  |
| 69.0  | 8501  | 8570  | 8283  | 6892  | 5287  | 3761  | 3131  | 2777  | 2601  | 2396  |
| 72.0  | 6591  | 6790  | 6697  | 5647  | 4396  | 3184  | 2673  | 2361  | 2169  | 1908  |
| 75.0  | 5072  | 4969  | 4683  | 4002  | 3231  | 2488  | 2098  | 1818  | 1609  | 1381  |
| 78.0  | 3974  | 3484  | 2897  | 2430  | 1998  | 1630  | 1421  | 1274  | 1161  | 1004  |
| 81.0  | 3068  | 2294  | 1481  | 1148  | 943.8 | 834.2 | 768.1 | 738.8 | 723.6 | 657.4 |
| 84.0  | 1812  | 1270  | 709.9 | 511.7 | 411.2 | 378.4 | 363.5 | 371.5 | 387.4 | 370.9 |
| 87.0  | 489.1 | 359.3 | 223.2 | 173.8 | 146.6 | 134.3 | 122.2 | 115.8 | 113.6 | 113.2 |
| 90.0  | 48.40 | 47.69 | 46.41 | 44.64 | 42.52 | 40.14 | 37.95 | 35.47 | 32.56 | 28.11 |
| 93.0  | 48.60 | 46.44 | 43.89 | 41.28 | 38.39 | 35.21 | 31.35 | 27.48 | 23.89 | 21.25 |
| 96.0  | 54.04 | 51.19 | 48.04 | 45.19 | 42.20 | 38.99 | 35.04 | 31.10 | 27.42 | 24.62 |
| 99.0  | 60.06 | 56.71 | 53.09 | 50.04 | 46.93 | 43.67 | 39.71 | 35.74 | 32.00 | 28.94 |
| 102.0 | 65.85 | 62.02 | 57.99 | 54.82 | 51.70 | 48.49 | 44.64 | 40.75 | 37.04 | 33.80 |
| 105.0 | 70.99 | 66.75 | 62.39 | 59.16 | 56.09 | 53.02 | 49.38 | 45.71 | 42.16 | 38.84 |
| 108.0 | 75.59 | 71.10 | 66.53 | 63.28 | 60.28 | 57.35 | 54.01 | 50.64 | 47.34 | 44.02 |
| 111.0 | 80.00 | 75.53 | 70.96 | 67.72 | 64.75 | 61.89 | 58.75 | 55.61 | 52.50 | 49.25 |
| 114.0 | 84.18 | 80.01 | 75.67 | 72.40 | 69.35 | 66.42 | 63.39 | 60.40 | 57.46 | 54.35 |
| 117.0 | 87.90 | 84.17 | 80.15 | 76.84 | 73.67 | 70.62 | 67.70 | 64.88 | 62.14 | 59.23 |
| 120.0 | 90.63 | 87.28 | 83.61 | 80.43 | 77.33 | 74.34 | 71.53 | 68.85 | 66.30 | 63.71 |
| 123.0 | 92.35 | 89.28 | 85.88 | 83.01 | 80.20 | 77.47 | 74.77 | 72.22 | 69.85 | 67.73 |
| 126.0 | 93.25 | 90.42 | 87.26 | 84.56 | 81.92 | 79.40 | 77.01 | 74.82 | 72.87 | 71.34 |
| 129.0 | 93.63 | 91.09 | 88.16 | 85.44 | 82.79 | 80.34 | 78.42 | 76.83 | 75.53 | 74.57 |
| 132.0 | 93.26 | 91.13 | 88.59 | 85.98 | 83.42 | 81.12 | 79.68 | 78.63 | 77.90 | 77.45 |
| 135.0 | 92.20 | 90.70 | 88.80 | 86.49 | 84.18 | 82.14 | 81.11 | 80.50 | 80.19 | 80.06 |
| 138.0 | 90.86 | 90.06 | 88.92 | 87.14 | 85.28 | 83.62 | 82.87 | 82.48 | 82.34 | 82.34 |

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:07 October 2023

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: GO-2000B\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:7.850m [K=1.0000]  
 Remarks:

Photometric Data Table [cd]

|       |       |       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 141.0 | 89.67 | 89.34 | 88.79 | 87.66 | 86.44 | 85.31 | 84.73 | 84.38 | 84.21 | 84.20 |
| 144.0 | 88.93 | 88.86 | 88.71 | 88.08 | 87.37 | 86.69 | 86.32 | 86.07 | 85.90 | 85.76 |
| 147.0 | 89.01 | 88.97 | 88.93 | 88.64 | 88.30 | 87.94 | 87.65 | 87.39 | 87.16 | 86.93 |
| 150.0 | 89.83 | 89.70 | 89.61 | 89.46 | 89.30 | 89.11 | 88.84 | 88.56 | 88.28 | 88.04 |
| 153.0 | 90.98 | 90.81 | 90.70 | 90.59 | 90.47 | 90.32 | 90.03 | 89.73 | 89.44 | 89.23 |
| 156.0 | 92.34 | 92.14 | 91.96 | 91.70 | 91.44 | 91.18 | 90.96 | 90.77 | 90.63 | 90.57 |
| 159.0 | 93.52 | 93.27 | 93.03 | 92.66 | 92.29 | 91.96 | 91.78 | 91.68 | 91.65 | 91.66 |
| 162.0 | 94.56 | 94.18 | 93.83 | 93.42 | 93.05 | 92.73 | 92.52 | 92.40 | 92.37 | 92.46 |
| 165.0 | 95.77 | 95.33 | 94.93 | 94.48 | 94.08 | 93.76 | 93.61 | 93.56 | 93.57 | 93.61 |
| 168.0 | 96.94 | 96.48 | 96.07 | 95.59 | 95.16 | 94.81 | 94.65 | 94.57 | 94.55 | 94.48 |
| 171.0 | 98.18 | 97.68 | 97.22 | 96.67 | 96.16 | 95.72 | 95.47 | 95.29 | 95.17 | 95.01 |
| 174.0 | 99.26 | 98.68 | 98.14 | 97.48 | 96.85 | 96.29 | 95.93 | 95.66 | 95.44 | 95.14 |
| 177.0 | 99.78 | 99.15 | 98.52 | 97.75 | 97.00 | 96.34 | 95.92 | 95.59 | 95.31 | 94.89 |
| 180.0 | 99.41 | 98.82 | 98.20 | 97.38 | 96.56 | 95.80 | 95.31 | 94.91 | 94.54 | 94.00 |
| G/C   | 250.0 | 255.0 | 260.0 | 265.0 | 270.0 | 275.0 | 280.0 | 285.0 | 290.0 | 295.0 |
| 0.0   | 10518 | 10507 | 10501 | 10494 | 10486 | 10472 | 10457 | 10444 | 10441 | 10439 |
| 3.0   | 10347 | 10330 | 10318 | 10308 | 10298 | 10287 | 10278 | 10272 | 10270 | 10275 |
| 6.0   | 10138 | 10112 | 10097 | 10086 | 10076 | 10061 | 10049 | 10042 | 10053 | 10069 |
| 9.0   | 9889  | 9853  | 9830  | 9814  | 9802  | 9790  | 9783  | 9784  | 9800  | 9823  |
| 12.0  | 9604  | 9557  | 9528  | 9507  | 9494  | 9480  | 9473  | 9478  | 9504  | 9541  |
| 15.0  | 9293  | 9236  | 9199  | 9175  | 9160  | 9144  | 9139  | 9148  | 9183  | 9233  |
| 18.0  | 8968  | 8902  | 8858  | 8827  | 8809  | 8794  | 8792  | 8807  | 8851  | 8913  |
| 21.0  | 8645  | 8568  | 8514  | 8476  | 8453  | 8438  | 8439  | 8461  | 8513  | 8586  |
| 24.0  | 8324  | 8235  | 8170  | 8125  | 8098  | 8083  | 8089  | 8119  | 8185  | 8274  |
| 27.0  | 8021  | 7915  | 7829  | 7766  | 7727  | 7716  | 7732  | 7777  | 7861  | 7970  |
| 30.0  | 7714  | 7583  | 7470  | 7384  | 7330  | 7326  | 7358  | 7426  | 7539  | 7677  |
| 33.0  | 7370  | 7203  | 7068  | 6967  | 6908  | 6907  | 6952  | 7042  | 7191  | 7369  |
| 36.0  | 6964  | 6766  | 6612  | 6502  | 6442  | 6449  | 6511  | 6623  | 6804  | 7019  |
| 39.0  | 6492  | 6278  | 6120  | 6013  | 5961  | 5971  | 6038  | 6161  | 6358  | 6596  |
| 42.0  | 5989  | 5780  | 5632  | 5539  | 5499  | 5507  | 5568  | 5685  | 5875  | 6114  |
| 45.0  | 5492  | 5312  | 5186  | 5110  | 5082  | 5082  | 5131  | 5231  | 5393  | 5614  |
| 48.0  | 5023  | 4885  | 4782  | 4722  | 4700  | 4697  | 4734  | 4815  | 4938  | 5123  |
| 51.0  | 4627  | 4538  | 4456  | 4406  | 4385  | 4382  | 4410  | 4473  | 4551  | 4689  |
| 54.0  | 4295  | 4263  | 4192  | 4141  | 4113  | 4124  | 4159  | 4215  | 4241  | 4316  |
| 57.0  | 3947  | 3946  | 3892  | 3851  | 3828  | 3850  | 3890  | 3940  | 3934  | 3967  |
| 60.0  | 3544  | 3542  | 3511  | 3496  | 3495  | 3509  | 3535  | 3568  | 3565  | 3597  |
| 63.0  | 3144  | 3136  | 3116  | 3113  | 3121  | 3124  | 3135  | 3156  | 3167  | 3211  |
| 66.0  | 2747  | 2724  | 2694  | 2683  | 2687  | 2695  | 2714  | 2747  | 2774  | 2832  |
| 69.0  | 2253  | 2157  | 2061  | 2000  | 1979  | 2024  | 2104  | 2209  | 2303  | 2419  |
| 72.0  | 1692  | 1527  | 1429  | 1380  | 1375  | 1397  | 1459  | 1565  | 1734  | 1939  |
| 75.0  | 1194  | 1051  | 977.3 | 945.4 | 947.4 | 953.9 | 993.7 | 1074  | 1224  | 1415  |
| 78.0  | 865.8 | 756.4 | 715.8 | 705.0 | 713.5 | 701.7 | 710.0 | 749.7 | 855.0 | 997.3 |
| 81.0  | 591.5 | 535.0 | 514.3 | 507.8 | 511.3 | 506.8 | 514.5 | 540.5 | 605.7 | 690.6 |
| 84.0  | 351.4 | 332.7 | 324.1 | 320.3 | 321.2 | 324.4 | 333.9 | 351.5 | 388.3 | 429.3 |
| 87.0  | 113.7 | 113.7 | 106.4 | 99.84 | 96.85 | 105.0 | 118.4 | 136.1 | 160.5 | 184.7 |
| 90.0  | 23.65 | 19.73 | 17.60 | 16.63 | 16.90 | 19.39 | 22.55 | 25.77 | 26.86 | 27.91 |
| 93.0  | 19.17 | 17.65 | 16.77 | 16.36 | 16.35 | 16.33 | 16.84 | 18.09 | 20.95 | 24.45 |
| 96.0  | 22.38 | 20.71 | 19.75 | 19.28 | 19.20 | 19.25 | 19.65 | 20.46 | 21.68 | 23.46 |
| 99.0  | 26.41 | 24.44 | 23.31 | 22.72 | 22.59 | 22.61 | 23.07 | 24.02 | 25.65 | 27.81 |
| 102.0 | 31.01 | 28.79 | 27.45 | 26.70 | 26.47 | 26.57 | 27.15 | 28.24 | 29.93 | 32.13 |
| 105.0 | 35.92 | 33.52 | 32.04 | 31.17 | 30.87 | 31.00 | 31.67 | 32.88 | 34.74 | 37.08 |
| 108.0 | 41.02 | 38.51 | 36.95 | 36.02 | 35.68 | 35.83 | 36.54 | 37.81 | 39.81 | 42.28 |
| 111.0 | 46.27 | 43.75 | 42.15 | 41.18 | 40.81 | 40.97 | 41.70 | 43.01 | 45.09 | 47.60 |
| 114.0 | 51.47 | 49.02 | 47.47 | 46.51 | 46.14 | 46.31 | 47.04 | 48.32 | 50.37 | 52.82 |
| 117.0 | 56.55 | 54.29 | 52.85 | 51.98 | 51.65 | 51.82 | 52.51 | 53.71 | 55.60 | 57.87 |
| 120.0 | 61.38 | 59.43 | 58.16 | 57.39 | 57.10 | 57.27 | 57.91 | 59.00 | 60.66 | 62.68 |
| 123.0 | 65.90 | 64.40 | 63.31 | 62.61 | 62.32 | 62.51 | 63.11 | 64.10 | 65.50 | 67.23 |
| 126.0 | 70.07 | 69.05 | 68.13 | 67.49 | 67.20 | 67.45 | 68.06 | 68.99 | 70.06 | 71.44 |
| 129.0 | 73.82 | 73.23 | 72.51 | 71.96 | 71.68 | 71.94 | 72.51 | 73.33 | 74.17 | 75.29 |
| 132.0 | 77.15 | 76.92 | 76.39 | 75.94 | 75.69 | 75.97 | 76.50 | 77.22 | 77.90 | 78.81 |
| 135.0 | 80.04 | 80.04 | 79.72 | 79.43 | 79.27 | 79.55 | 80.02 | 80.65 | 81.24 | 82.04 |
| 138.0 | 82.43 | 82.54 | 82.39 | 82.26 | 82.23 | 82.50 | 82.92 | 83.49 | 84.10 | 84.88 |
| 141.0 | 84.29 | 84.41 | 84.42 | 84.47 | 84.59 | 84.86 | 85.26 | 85.78 | 86.46 | 87.27 |
| 144.0 | 85.69 | 85.70 | 85.83 | 86.04 | 86.32 | 86.63 | 87.03 | 87.54 | 88.28 | 89.10 |
| 147.0 | 86.77 | 86.72 | 86.91 | 87.21 | 87.58 | 87.90 | 88.27 | 88.75 | 89.45 | 90.23 |
| 150.0 | 87.86 | 87.78 | 87.91 | 88.13 | 88.44 | 88.77 | 89.17 | 89.66 | 90.30 | 91.01 |
| 153.0 | 89.09 | 89.04 | 89.16 | 89.36 | 89.63 | 89.88 | 90.19 | 90.58 | 91.10 | 91.70 |
| 156.0 | 90.56 | 90.62 | 90.73 | 90.89 | 91.10 | 91.35 | 91.64 | 91.98 | 92.33 | 92.76 |
| 159.0 | 91.73 | 91.84 | 92.01 | 92.21 | 92.43 | 92.65 | 92.90 | 93.18 | 93.46 | 93.81 |
| 162.0 | 92.62 | 92.83 | 93.04 | 93.25 | 93.46 | 93.60 | 93.75 | 93.95 | 94.27 | 94.66 |
| 165.0 | 93.70 | 93.83 | 94.03 | 94.25 | 94.47 | 94.64 | 94.81 | 94.99 | 95.19 | 95.43 |
| 168.0 | 94.45 | 94.49 | 94.71 | 94.97 | 95.24 | 95.40 | 95.55 | 95.69 | 95.83 | 96.00 |
| 171.0 | 94.90 | 94.88 | 95.07 | 95.32 | 95.59 | 95.73 | 95.86 | 95.98 | 96.12 | 96.29 |
| 174.0 | 94.90 | 94.77 | 94.93 | 95.18 | 95.46 | 95.61 | 95.74 | 95.86 | 95.96 | 96.06 |

C Range: 0 - 360DEG

C Interval: 5.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:DAMIN

Test Date:07 October 2023

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System: GO-2000B\_V1 SYSTEM V2.00.446

Humidity:65.0%

Test Distance:7.850m [K=1.0000]

Remarks:

Photometric Data Table [cd]

|       |       |       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 177.0 | 94.54 | 94.30 | 94.42 | 94.64 | 94.89 | 94.99 | 95.07 | 95.17 | 95.32 | 95.51 |
| 180.0 | 93.51 | 93.13 | 93.06 | 93.11 | 93.23 | 93.28 | 93.34 | 93.43 | 93.55 | 93.71 |
| G/C   | 300.0 | 305.0 | 310.0 | 315.0 | 320.0 | 325.0 | 330.0 | 335.0 | 340.0 | 345.0 |
| 0.0   | 10438 | 10432 | 10426 | 10421 | 10421 | 10422 | 10423 | 10410 | 10407 | 10422 |
| 3.0   | 10280 | 10284 | 10289 | 10296 | 10309 | 10324 | 10339 | 10340 | 10350 | 10378 |
| 6.0   | 10089 | 10103 | 10120 | 10140 | 10170 | 10203 | 10237 | 10255 | 10281 | 10326 |
| 9.0   | 9852  | 9882  | 9916  | 9955  | 10005 | 10060 | 10115 | 10152 | 10197 | 10260 |
| 12.0  | 9587  | 9633  | 9686  | 9746  | 9818  | 9895  | 9973  | 10034 | 10103 | 10188 |
| 15.0  | 9294  | 9357  | 9429  | 9510  | 9609  | 9713  | 9820  | 9906  | 10000 | 10110 |
| 18.0  | 8988  | 9071  | 9165  | 9271  | 9393  | 9523  | 9657  | 9775  | 9901  | 10042 |
| 21.0  | 8676  | 8776  | 8890  | 9018  | 9166  | 9325  | 9491  | 9646  | 9810  | 9989  |
| 24.0  | 8382  | 8495  | 8623  | 8770  | 8944  | 9133  | 9333  | 9529  | 9735  | 9954  |
| 27.0  | 8098  | 8224  | 8367  | 8531  | 8728  | 8946  | 9180  | 9425  | 9682  | 9950  |
| 30.0  | 7831  | 7972  | 8128  | 8306  | 8525  | 8771  | 9042  | 9339  | 9652  | 9975  |
| 33.0  | 7563  | 7725  | 7898  | 8094  | 8335  | 8608  | 8915  | 9273  | 9651  | 10037 |
| 36.0  | 7250  | 7449  | 7658  | 7888  | 8153  | 8453  | 8796  | 9224  | 9678  | 10135 |
| 39.0  | 6860  | 7111  | 7378  | 7665  | 7966  | 8303  | 8689  | 9193  | 9725  | 10254 |
| 42.0  | 6396  | 6705  | 7044  | 7409  | 7775  | 8174  | 8619  | 9183  | 9771  | 10349 |
| 45.0  | 5894  | 6253  | 6662  | 7108  | 7558  | 8038  | 8554  | 9152  | 9766  | 10368 |
| 48.0  | 5383  | 5766  | 6220  | 6728  | 7258  | 7821  | 8415  | 9050  | 9696  | 10335 |
| 51.0  | 4908  | 5271  | 5725  | 6258  | 6861  | 7516  | 8210  | 8929  | 9657  | 10377 |
| 54.0  | 4472  | 4781  | 5206  | 5745  | 6442  | 7226  | 8067  | 8937  | 9805  | 10641 |
| 57.0  | 4075  | 4305  | 4674  | 5207  | 6043  | 7014  | 8065  | 9144  | 10189 | 11142 |
| 60.0  | 3693  | 3833  | 4132  | 4656  | 5685  | 6912  | 8244  | 9605  | 10873 | 11940 |
| 63.0  | 3309  | 3356  | 3592  | 4132  | 5478  | 7065  | 8716  | 10133 | 11351 | 12283 |
| 66.0  | 2934  | 2903  | 3094  | 3666  | 5393  | 7364  | 9281  | 10425 | 11233 | 11722 |
| 69.0  | 2567  | 2519  | 2695  | 3281  | 5220  | 7370  | 9347  | 10088 | 10397 | 10398 |
| 72.0  | 2169  | 2166  | 2353  | 2902  | 4754  | 6744  | 8474  | 8721  | 8529  | 8117  |
| 75.0  | 1640  | 1726  | 1953  | 2437  | 3847  | 5327  | 6575  | 6627  | 6339  | 5903  |
| 78.0  | 1171  | 1293  | 1493  | 1821  | 2582  | 3385  | 4096  | 4324  | 4375  | 4300  |
| 81.0  | 790.3 | 863.0 | 968.6 | 1130  | 1436  | 1794  | 2179  | 2618  | 2989  | 3223  |
| 84.0  | 468.8 | 469.7 | 481.7 | 523.2 | 595.6 | 746.2 | 1006  | 1658  | 2290  | 2743  |
| 87.0  | 205.3 | 200.1 | 198.3 | 210.4 | 215.6 | 279.1 | 434.8 | 942.0 | 1440  | 1793  |
| 90.0  | 29.44 | 31.20 | 35.07 | 42.16 | 47.31 | 62.57 | 93.73 | 187.4 | 277.9 | 340.5 |
| 93.0  | 28.28 | 31.98 | 35.54 | 38.76 | 41.28 | 43.25 | 44.64 | 45.63 | 45.80 | 44.97 |
| 96.0  | 25.90 | 29.86 | 34.13 | 38.23 | 40.85 | 43.02 | 44.89 | 47.54 | 49.56 | 50.42 |
| 99.0  | 30.45 | 33.82 | 37.38 | 40.89 | 43.61 | 46.13 | 48.57 | 52.04 | 54.90 | 56.51 |
| 102.0 | 34.80 | 38.22 | 41.84 | 45.41 | 48.11 | 50.68 | 53.27 | 57.27 | 60.72 | 62.87 |
| 105.0 | 39.84 | 43.14 | 46.59 | 50.01 | 52.69 | 55.31 | 58.08 | 62.52 | 66.46 | 69.08 |
| 108.0 | 45.09 | 48.14 | 51.29 | 54.44 | 57.01 | 59.65 | 62.54 | 67.35 | 71.72 | 74.75 |
| 111.0 | 50.37 | 53.11 | 55.92 | 58.76 | 61.27 | 63.94 | 66.95 | 71.99 | 76.61 | 79.88 |
| 114.0 | 55.49 | 58.02 | 60.61 | 63.27 | 65.77 | 68.47 | 71.54 | 76.57 | 81.17 | 84.41 |
| 117.0 | 60.37 | 62.77 | 65.28 | 67.88 | 70.48 | 73.27 | 76.37 | 81.18 | 85.49 | 88.43 |
| 120.0 | 64.96 | 67.31 | 69.81 | 72.44 | 75.10 | 77.92 | 80.96 | 85.43 | 89.34 | 91.85 |
| 123.0 | 69.26 | 71.57 | 74.08 | 76.73 | 79.33 | 82.03 | 84.86 | 88.87 | 92.27 | 94.30 |
| 126.0 | 73.16 | 75.48 | 78.04 | 80.69 | 83.08 | 85.46 | 87.89 | 91.37 | 94.23 | 95.77 |
| 129.0 | 76.78 | 79.08 | 81.61 | 84.17 | 86.20 | 88.12 | 89.98 | 92.73 | 94.90 | 95.86 |
| 132.0 | 80.07 | 82.20 | 84.54 | 86.84 | 88.45 | 89.87 | 91.20 | 93.37 | 94.99 | 95.50 |
| 135.0 | 83.11 | 84.91 | 86.87 | 88.81 | 90.17 | 91.39 | 92.55 | 94.66 | 96.18 | 96.51 |
| 138.0 | 85.85 | 87.26 | 88.78 | 90.28 | 91.38 | 92.41 | 93.43 | 95.48 | 96.93 | 97.10 |
| 141.0 | 88.18 | 89.26 | 90.37 | 91.47 | 92.33 | 93.19 | 94.10 | 96.21 | 97.70 | 97.84 |
| 144.0 | 89.98 | 90.81 | 91.63 | 92.44 | 93.17 | 93.93 | 94.78 | 96.85 | 98.31 | 98.38 |
| 147.0 | 91.04 | 91.75 | 92.46 | 93.17 | 93.87 | 94.62 | 95.47 | 97.51 | 98.94 | 99.00 |
| 150.0 | 91.76 | 92.47 | 93.19 | 93.92 | 94.60 | 95.34 | 96.17 | 98.18 | 99.60 | 99.71 |
| 153.0 | 92.38 | 93.16 | 93.99 | 94.84 | 95.57 | 96.33 | 97.16 | 99.08 | 100.4 | 100.5 |
| 156.0 | 93.27 | 93.95 | 94.73 | 95.58 | 96.48 | 97.43 | 98.42 | 100.3 | 101.6 | 101.6 |
| 159.0 | 94.24 | 94.81 | 95.49 | 96.26 | 97.13 | 98.10 | 99.18 | 101.3 | 102.8 | 103.1 |
| 162.0 | 95.10 | 95.56 | 96.09 | 96.72 | 97.43 | 98.31 | 99.42 | 101.8 | 103.8 | 104.6 |
| 165.0 | 95.73 | 96.11 | 96.60 | 97.22 | 97.90 | 98.79 | 99.97 | 102.6 | 104.8 | 105.9 |
| 168.0 | 96.23 | 96.54 | 96.95 | 97.50 | 98.14 | 99.04 | 100.3 | 103.0 | 105.4 | 106.8 |
| 171.0 | 96.50 | 96.73 | 97.06 | 97.55 | 98.19 | 99.13 | 100.4 | 103.3 | 105.9 | 107.5 |
| 174.0 | 96.21 | 96.36 | 96.63 | 97.07 | 97.70 | 98.67 | 100.1 | 103.0 | 105.9 | 107.8 |
| 177.0 | 95.71 | 95.82 | 96.01 | 96.35 | 96.84 | 97.66 | 98.94 | 101.8 | 104.7 | 106.7 |
| 180.0 | 93.92 | 94.14 | 94.47 | 94.93 | 95.49 | 96.34 | 97.59 | 100.2 | 102.8 | 104.8 |
| G/C   | 350.0 | 355.0 |       |       |       |       |       |       |       |       |
| 0.0   | 10478 | 10563 |       |       |       |       |       |       |       |       |
| 3.0   | 10449 | 10547 |       |       |       |       |       |       |       |       |
| 6.0   | 10412 | 10527 |       |       |       |       |       |       |       |       |
| 9.0   | 10364 | 10496 |       |       |       |       |       |       |       |       |
| 12.0  | 10312 | 10462 |       |       |       |       |       |       |       |       |
| 15.0  | 10258 | 10431 |       |       |       |       |       |       |       |       |
| 18.0  | 10219 | 10419 |       |       |       |       |       |       |       |       |
| 21.0  | 10196 | 10424 |       |       |       |       |       |       |       |       |

C Range: 0 - 360DEG

C Interval: 5.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:DAMIN

Test Date:07 October 2023

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System: GO-2000B\_V1 SYSTEM V2.00.446

Humidity:65.0%

Test Distance:7.850m [K=1.0000]

Remarks:

## Photometric Data Table [cd]

|       |       |       |
|-------|-------|-------|
| 24.0  | 10194 | 10451 |
| 27.0  | 10227 | 10515 |
| 30.0  | 10293 | 10614 |
| 33.0  | 10400 | 10756 |
| 36.0  | 10544 | 10934 |
| 39.0  | 10706 | 11123 |
| 42.0  | 10837 | 11281 |
| 45.0  | 10898 | 11391 |
| 48.0  | 10932 | 11507 |
| 51.0  | 11055 | 11710 |
| 54.0  | 11372 | 12040 |
| 57.0  | 11867 | 12442 |
| 60.0  | 12561 | 12875 |
| 63.0  | 12727 | 12798 |
| 66.0  | 11930 | 11835 |
| 69.0  | 10384 | 10187 |
| 72.0  | 7999  | 7881  |
| 75.0  | 5771  | 5684  |
| 78.0  | 4220  | 4067  |
| 81.0  | 3159  | 2890  |
| 84.0  | 2644  | 2207  |
| 87.0  | 1687  | 1301  |
| 90.0  | 317.3 | 241.3 |
| 93.0  | 42.68 | 39.19 |
| 96.0  | 48.94 | 45.79 |
| 99.0  | 55.39 | 52.40 |
| 102.0 | 62.00 | 59.10 |
| 105.0 | 68.45 | 65.68 |
| 108.0 | 74.36 | 71.74 |
| 111.0 | 79.60 | 77.02 |
| 114.0 | 84.09 | 81.48 |
| 117.0 | 87.90 | 85.10 |
| 120.0 | 91.01 | 87.95 |
| 123.0 | 93.17 | 89.90 |
| 126.0 | 94.34 | 90.89 |
| 129.0 | 94.21 | 90.76 |
| 132.0 | 93.63 | 90.10 |
| 135.0 | 94.19 | 90.07 |
| 138.0 | 94.44 | 89.83 |
| 141.0 | 94.89 | 89.85 |
| 144.0 | 95.30 | 90.08 |
| 147.0 | 95.94 | 90.77 |
| 150.0 | 96.80 | 91.84 |
| 153.0 | 97.70 | 92.94 |
| 156.0 | 98.92 | 94.29 |
| 159.0 | 100.6 | 96.28 |
| 162.0 | 102.6 | 98.63 |
| 165.0 | 104.2 | 100.6 |
| 168.0 | 105.4 | 102.2 |
| 171.0 | 106.5 | 103.8 |
| 174.0 | 107.3 | 105.3 |
| 177.0 | 106.4 | 104.7 |
| 180.0 | 105.0 | 104.1 |

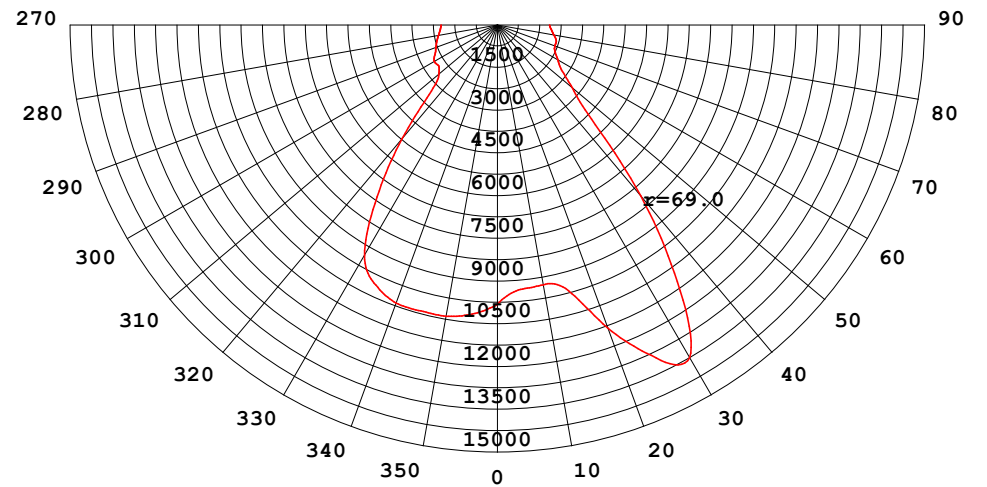
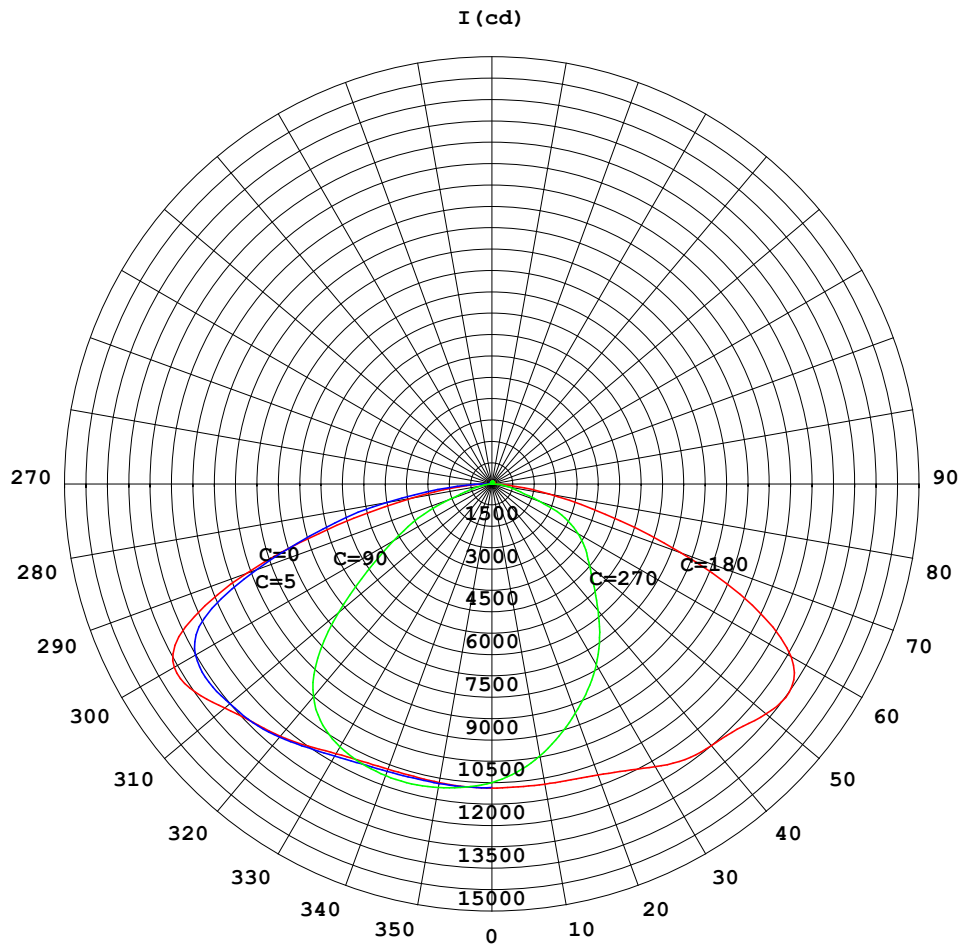
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:07 October 2023

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: GO-2000B\_V1 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:7.850m [K=1.0000]  
Remarks:

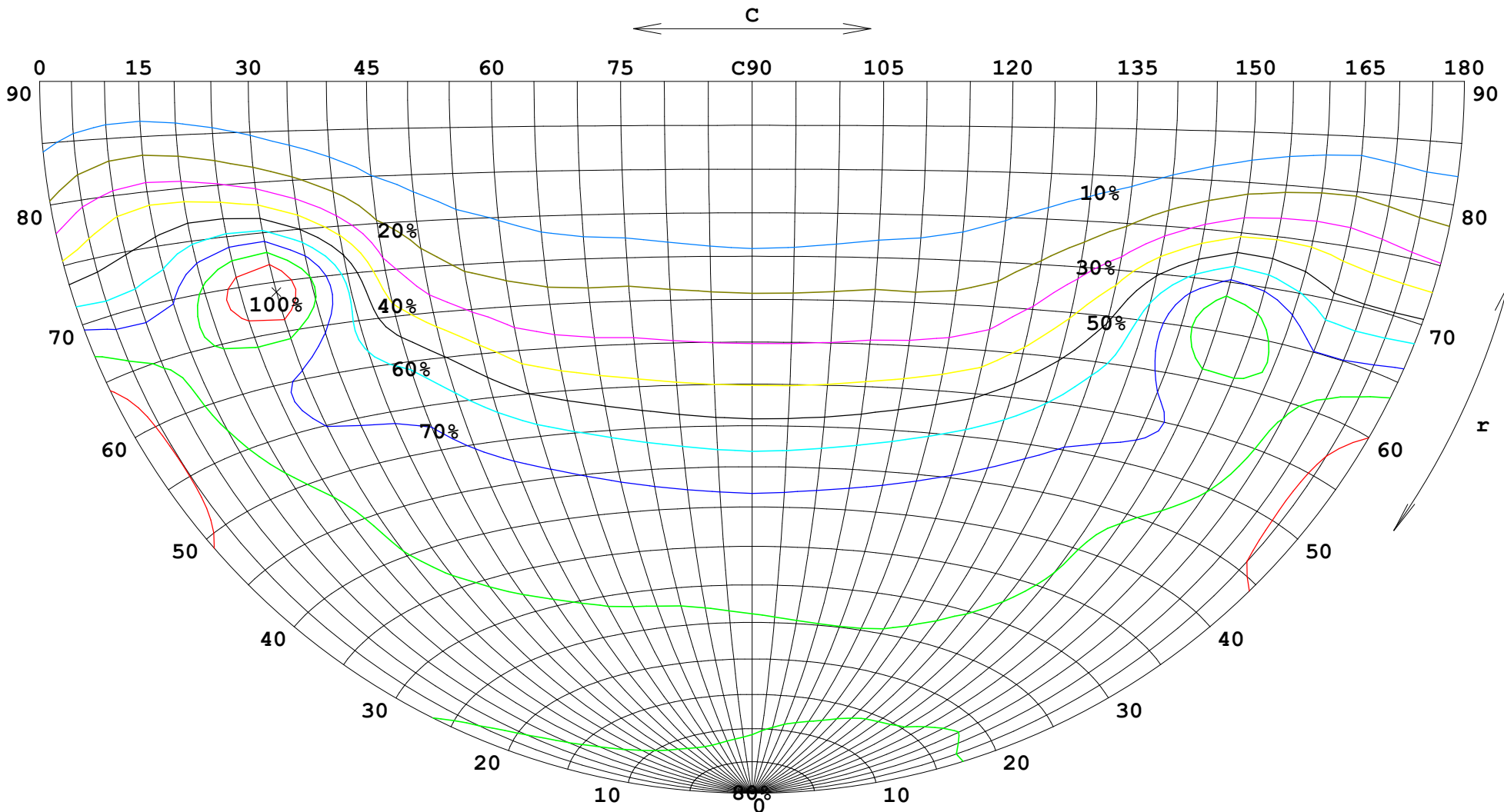


**FLUX DATA:**

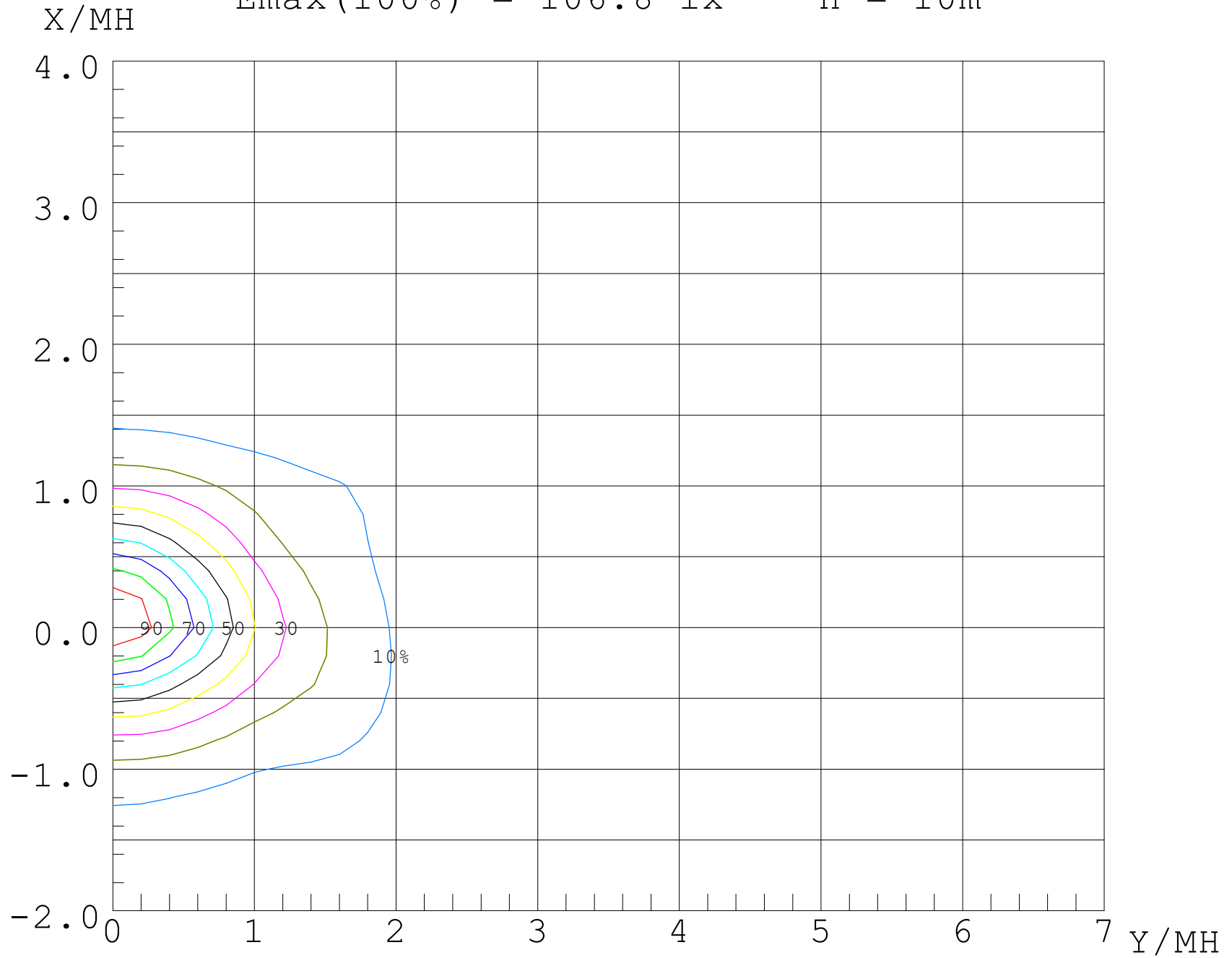
LOR: 100.0 %  
 STREET DOWN: 21224 lm  
 STREET UP: 171.0 lm  
 HOUSE DOWN: 17953 lm  
 HOUSE UP: 219.8 lm



$I_{max}(100\%) = 13499 \text{ cd}$



$E_{\max}(100\%) = 106.8 \text{ lx}$        $H = 10\text{m}$



UF (%)

80

70

60

50

40

30

20

10

0

-2

-1

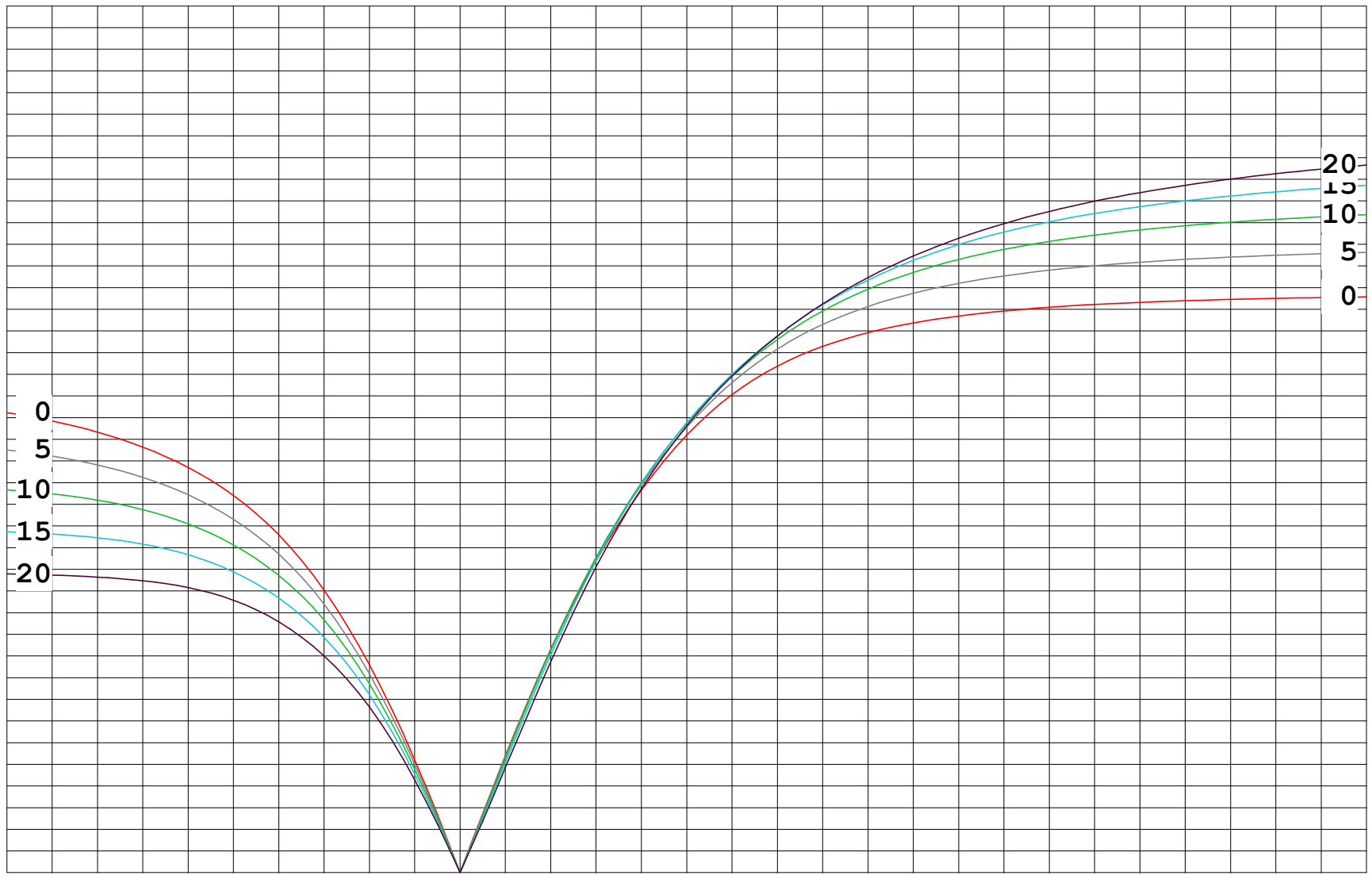
0

1

2

3

4 X/MH



20  
15  
10  
5  
0

0  
5  
10  
15  
20