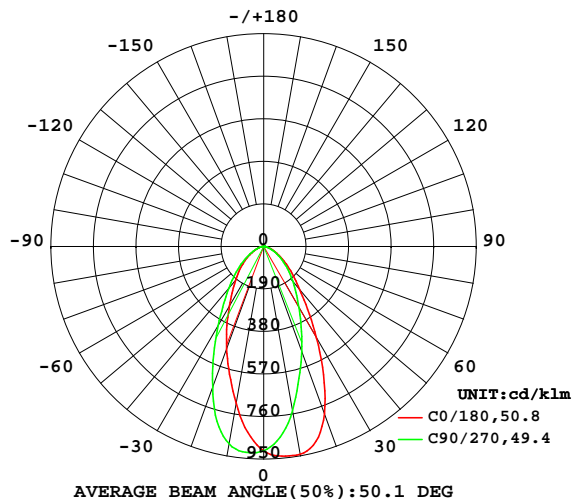
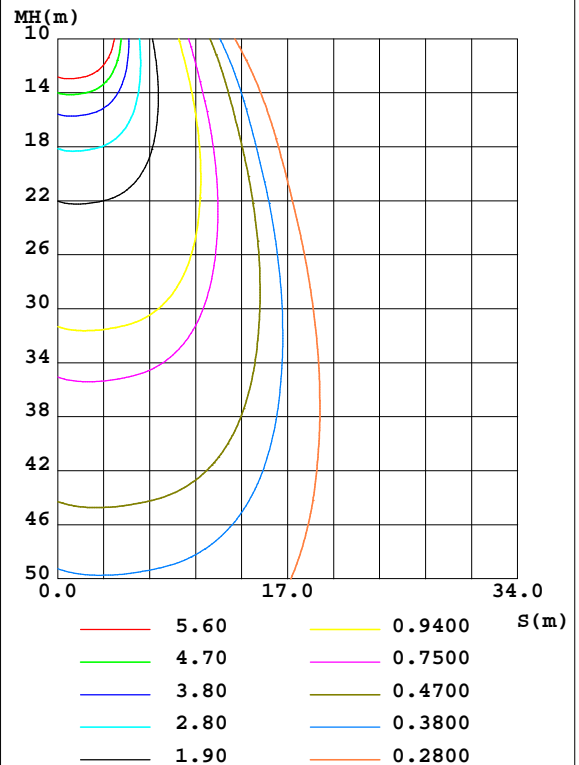


**LUMINAIRE PHOTOMETRIC TEST REPORT**

|  |  |           |  |                  |  |
|--|--|-----------|--|------------------|--|
| Test:U:221.45V I:0.9704A P:209.61W PF:0.9754 Freq:49.99Hz Lamp Flux:26146.2x1 lm |  |           |  |                  |  |
| NAME: UFO  |  | TYPE:200w |  | WEIGHT:          |  |
| SPEC.:   |  | DIM.:     |  | SERIAL No.:      |  |
| MFR.:  |  | SUR.:     |  | Shielding Angle: |  |

| DATA OF LAMP     |         | PHOTOMETRIC DATA   |         |                        |          | Eff: 124.74 lm/W |
|------------------|---------|--------------------|---------|------------------------|----------|------------------|
| MODEL            | UFO     | Imax(cd/klm)       | 944.9   | S/MH(C0/180)           | 0.65     |                  |
| NOMINAL POWER(W) | 200     | LOR(%)             | 100.0   | S/MH(C90/270)          | 0.85     |                  |
| RATED VOLTAGE(V) | 220.0   | TOTAL FLUX(lm/klm) | 1000.00 | $\eta$ UP,DN(C0-180)   | 0.3,49.2 |                  |
| NOMINAL FLUX(lm) | 26146.2 | CIE CLASS          | DIRECT  | $\eta$ UP,DN(C180-360) | 0.3,50.3 |                  |
| LAMPS INSIDE     | 1       | $\eta$ up(%)       | 0.6     | CIBSE SHR NOM          | 0.75     |                  |
| TEST VOLTAGE(V)  | 220.0   | $\eta$ down(%)     | 99.4    | CIBSE SHR MAX          | 0.85     |                  |

**LUMINOUS INTENSITY DISTRIBUTION DIAGRAM**

**C0 PLANE ISOLUX DIAGRAM (UNIT:lx/klm)**


C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:01  
Test Date:14 June 2019

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.405.8  
Humidity:65.0%  
Test Distance:8.300m [K=1.0000]  
Remarks:

### ZONAL FLUX DIAGRAM

**ZONAL FLUX DIAGRAM:**

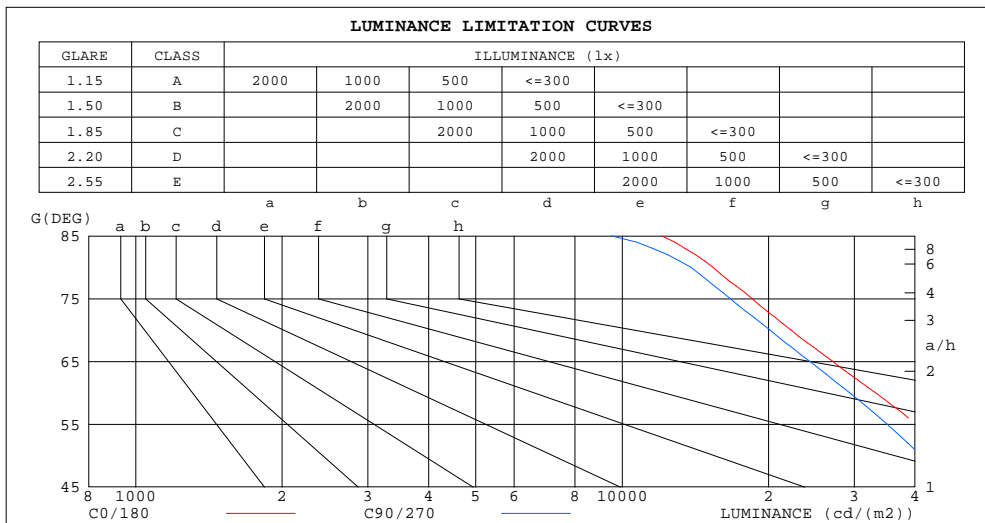
| $\gamma$ | C0                        | C45    | C90    | C135   | C180   | C225   | C270   | C315   | $\gamma$ | $\Phi$ zone  | $\Phi$ total | %lum, lamp |
|----------|---------------------------|--------|--------|--------|--------|--------|--------|--------|----------|--------------|--------------|------------|
| 10       | 942.3                     | 857.4  | 744.8  | 698.0  | 710.8  | 790.5  | 895.0  | 944.9  | 0- 10    | 82.67        | 82.67        | 8.27,8.27  |
| 20       | 793.7                     | 619.1  | 498.3  | 470.1  | 486.8  | 548.2  | 668.0  | 806.4  | 10- 20   | 202.0        | 284.6        | 28.5,28.5  |
| 30       | 474.1                     | 394.3  | 315.1  | 297.9  | 306.2  | 348.6  | 407.1  | 468.1  | 20- 30   | 223.3        | 507.9        | 50.8,50.8  |
| 40       | 249.9                     | 240.6  | 202.3  | 194.3  | 195.1  | 220.6  | 241.4  | 243.9  | 30- 40   | 181.7        | 689.6        | 69,69      |
| 50       | 144.7                     | 144.9  | 124.6  | 123.4  | 122.6  | 133.5  | 142.7  | 140.8  | 40- 50   | 135.7        | 825.3        | 82.5,82.5  |
| 60       | 77.00                     | 77.73  | 69.03  | 68.80  | 68.19  | 71.98  | 75.78  | 74.55  | 50- 60   | 90.88        | 916.2        | 91.6,91.6  |
| 70       | 35.26                     | 35.24  | 32.38  | 32.32  | 31.60  | 32.96  | 34.34  | 33.78  | 60- 70   | 50.72        | 966.9        | 96.7,96.7  |
| 80       | 12.38                     | 12.16  | 11.31  | 11.21  | 10.56  | 11.03  | 11.92  | 11.73  | 70- 80   | 22.59        | 989.5        | 98.9,98.9  |
| 90       | 0.1243                    | 0.0958 | 0.0965 | 0.0951 | 0.0663 | 0.0669 | 0.0698 | 0.0817 | 80- 90   | 4.974        | 994.5        | 99.4,99.4  |
| 100      | 0.1671                    | 0.1738 | 0.1848 | 0.1840 | 0.1426 | 0.1426 | 0.1317 | 0.1308 | 90-100   | 0.1234       | 994.6        | 99.5,99.5  |
| 110      | 0.3099                    | 0.3285 | 0.3450 | 0.3428 | 0.2861 | 0.2840 | 0.2600 | 0.2558 | 100-110  | 0.2359       | 994.8        | 99.5,99.5  |
| 120      | 0.5183                    | 0.5600 | 0.5933 | 0.5956 | 0.5219 | 0.5092 | 0.4596 | 0.4433 | 110-120  | 0.4017       | 995.2        | 99.5,99.5  |
| 130      | 0.8026                    | 0.8838 | 0.9648 | 1.017  | 0.9077 | 0.8402 | 0.7377 | 0.7012 | 120-130  | 0.6070       | 995.8        | 99.6,99.6  |
| 140      | 1.213                     | 1.350  | 1.537  | 1.707  | 1.542  | 1.334  | 1.138  | 1.073  | 130-140  | 0.8408       | 996.7        | 99.7,99.7  |
| 150      | 1.792                     | 1.999  | 2.298  | 2.520  | 2.326  | 2.014  | 1.714  | 1.618  | 140-150  | 1.052        | 997.7        | 99.8,99.8  |
| 160      | 2.511                     | 2.730  | 2.995  | 3.171  | 3.004  | 2.733  | 2.448  | 2.335  | 150-160  | 1.097        | 998.8        | 99.9,99.9  |
| 170      | 3.236                     | 3.342  | 3.472  | 3.633  | 3.544  | 3.328  | 3.171  | 3.109  | 160-170  | 0.8579       | 999.7        | 100,100    |
| 180      | 3.691                     | 3.650  | 3.627  | 3.685  | 3.714  | 3.631  | 3.643  | 3.668  | 170-180  | 0.3335       | 1000.0       | 100,100    |
| DEG      | LUMINOUS INTENSITY:cd/klm |        |        |        |        |        |        |        |          | UNIT: lm/klm |              |            |

**C Range: 0 - 360DEG**  
**C Interval: 45.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:01**  
**Test Date:14 June 2019**

**$\gamma$  Range: 0 - 180DEG**  
 **$\gamma$  Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.405.8**  
**Humidity:65.0%**  
**Test Distance:8.300m [K=1.0000]**  
**Remarks:**

**LUMINANCE LIMITATION CURVES**

|  |           |                  |
|--|-----------|------------------|
| Test:U:221.45V I:0.9704A P:209.61W PF:0.9754 Freq:49.99Hz Lamp Flux:26146.2x1 lm |           |                  |
| NAME: UFO  | TYPE:200w | WEIGHT:          |
| SPEC.:   | DIM.:     | SERIAL No.:      |
| MFR.:  | SUR.:     | Shielding Angle: |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G(DEG)            | C0/180 | C90/270 |
| 85                | 12065  | 9508    |
| 80                | 15374  | 13850   |
| 75                | 18478  | 16669   |
| 70                | 22223  | 20129   |
| 65                | 27115  | 24319   |
| 60                | 33195  | 29355   |
| 55                | 40273  | 35053   |
| 50                | 48511  | 41207   |
| 45                | 58021  | 48497   |

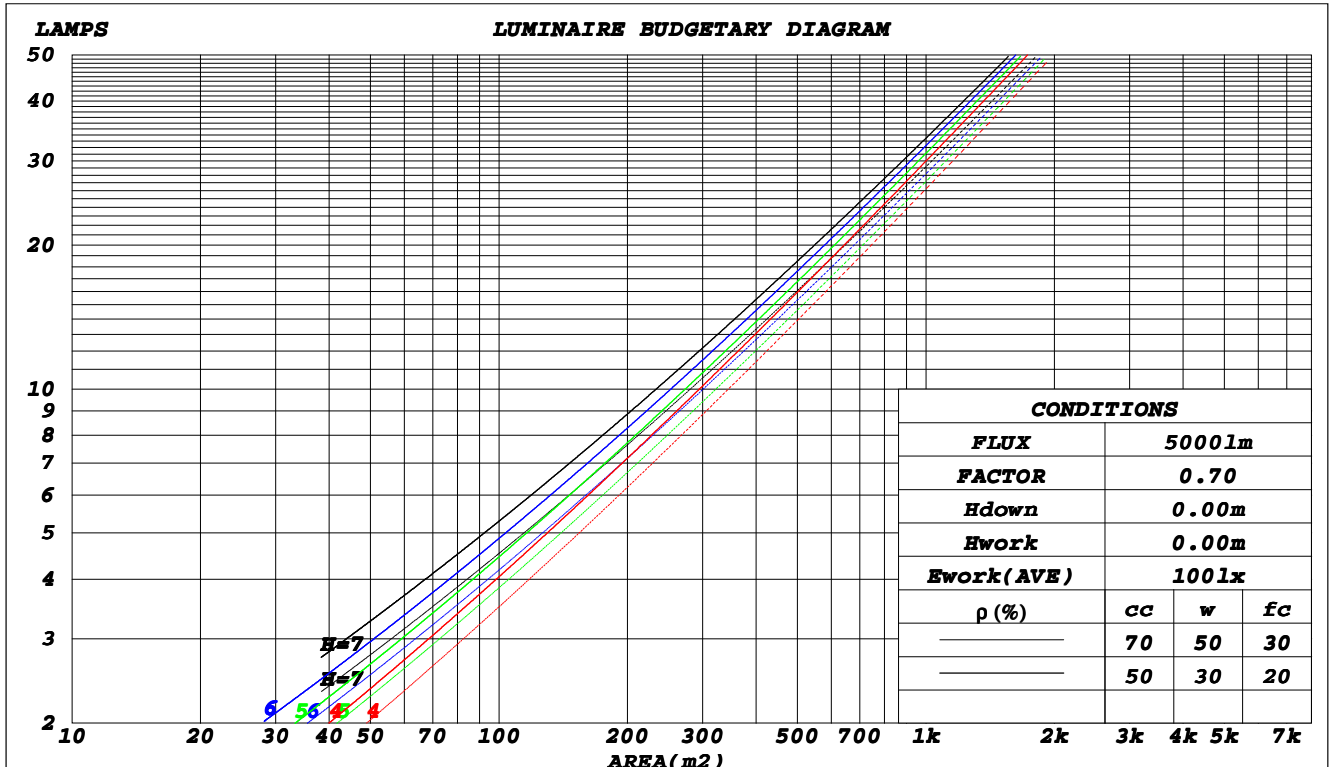
**C Range: 0 - 360DEG**  
**C Interval: 45.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:01**  
**Test Date:14 June 2019**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.405.8**  
**Humidity:65.0%**  
**Test Distance:8.300m [K=1.0000]**  
**Remarks:**

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|  |           |                  |
|--|-----------|------------------|
| Test:U:221.45V I:0.9704A P:209.61W PF:0.9754 Freq:49.99Hz Lamp Flux:26146.2x1 lm |           |                  |
| NAME: UFO  | TYPE:200w | WEIGHT:          |
| SPEC.:   | DIM.:     | SERIAL No.:      |
| MFR.:  | SUR.:     | Shielding Angle: |

| $\rho_{cc}$ | 80%                   |      |      | 70%  |      |      | 50%                             |      |      | 30%  |      |      | 10%  |      |      | 0   |
|-------------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|-----|
| $\rho_w$    | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0   |
| $\rho_{fc}$ | 20%                   |      |      | 20%  |      |      | 20%                             |      |      | 20%  |      |      | 20%  |      |      | 0   |
| RCR         | RCR:Room Cavity Ratio |      |      |      |      |      | Coefficients of Utilization(CU) |      |      |      |      |      |      |      |      |     |
| 0.0         | 1.19                  | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.11                            | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.02 | 1.02 | 1.02 | .99 |
| 1.0         | 1.08                  | 1.05 | 1.02 | 1.06 | 1.03 | 1.00 | 1.01                            | .99  | .97  | .98  | .96  | .94  | .94  | .93  | .91  | .89 |
| 2.0         | .98                   | .93  | .88  | .96  | .91  | .87  | .93                             | .89  | .85  | .89  | .86  | .83  | .86  | .84  | .81  | .80 |
| 3.0         | .89                   | .83  | .78  | .88  | .82  | .77  | .85                             | .80  | .76  | .82  | .78  | .74  | .80  | .76  | .73  | .71 |
| 4.0         | .81                   | .75  | .69  | .80  | .74  | .69  | .78                             | .72  | .68  | .76  | .71  | .67  | .74  | .69  | .66  | .64 |
| 5.0         | .75                   | .68  | .62  | .74  | .67  | .62  | .72                             | .66  | .61  | .70  | .65  | .61  | .68  | .64  | .60  | .58 |
| 6.0         | .69                   | .62  | .57  | .68  | .61  | .56  | .67                             | .60  | .56  | .65  | .60  | .55  | .63  | .59  | .55  | .53 |
| 7.0         | .64                   | .57  | .52  | .63  | .57  | .52  | .62                             | .56  | .51  | .61  | .55  | .51  | .59  | .54  | .51  | .49 |
| 8.0         | .60                   | .53  | .48  | .59  | .52  | .48  | .58                             | .52  | .47  | .57  | .51  | .47  | .56  | .51  | .47  | .45 |
| 9.0         | .56                   | .49  | .44  | .55  | .49  | .44  | .54                             | .48  | .44  | .53  | .48  | .44  | .52  | .47  | .44  | .42 |
| 10.0        | .52                   | .46  | .41  | .52  | .46  | .41  | .51                             | .45  | .41  | .50  | .45  | .41  | .49  | .44  | .41  | .39 |



C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:01  
 Test Date:14 June 2019

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.405.8  
 Humidity:65.0%  
 Test Distance:8.300m [K=1.0000]  
 Remarks:

**WEC AND CCEC**

|  |  |  |           |  |                  |
|--|--|--|-----------|--|------------------|
| Test:U:221.45V I:0.9704A P:209.61W PF:0.9754 Freq:49.99Hz Lamp Flux:26146.2x1 lm |  |  |           |  |                  |
| NAME: UFO  |  |  | TYPE:200w |  | WEIGHT:          |
| SPEC.:   |  |  | DIM.:     |  | SERIAL No.:      |
| MFR.:  |  |  | SUR.:     |  | Shielding Angle: |

| $\rho_{cc}$ | 80%                   |      |      | 70%  |      |      | 50%                             |      |      | 30%  |      |      | 10%  |      |      | 0 |  |
|-------------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|--|
| $\rho_w$    | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |  |
| $\rho_{fc}$ | 20%                   |      |      | 20%  |      |      | 20%                             |      |      | 20%  |      |      | 20%  |      |      | 0 |  |
| RCR         | RCR:Room Cavity Ratio |      |      |      |      |      | Wall Exitance Coefficients(WEC) |      |      |      |      |      |      |      |      |   |  |
| 0.0         |                       |      |      |      |      |      |                                 |      |      |      |      |      |      |      |      |   |  |
| 1.0         | .229                  | .130 | .041 | .222 | .126 | .040 | .208                            | .120 | .038 | .196 | .113 | .036 | .185 | .107 | .035 |   |  |
| 2.0         | .219                  | .120 | .037 | .213 | .118 | .036 | .202                            | .112 | .035 | .192 | .107 | .034 | .182 | .103 | .032 |   |  |
| 3.0         | .207                  | .110 | .033 | .202 | .108 | .033 | .192                            | .104 | .032 | .183 | .100 | .031 | .174 | .097 | .030 |   |  |
| 4.0         | .195                  | .101 | .030 | .190 | .100 | .029 | .182                            | .096 | .029 | .174 | .093 | .028 | .166 | .090 | .027 |   |  |
| 5.0         | .183                  | .093 | .027 | .179 | .092 | .027 | .171                            | .089 | .026 | .164 | .087 | .026 | .158 | .084 | .025 |   |  |
| 6.0         | .172                  | .086 | .025 | .169 | .085 | .025 | .162                            | .083 | .024 | .156 | .081 | .024 | .150 | .079 | .023 |   |  |
| 7.0         | .163                  | .080 | .023 | .159 | .079 | .023 | .153                            | .078 | .022 | .148 | .076 | .022 | .142 | .074 | .022 |   |  |
| 8.0         | .154                  | .075 | .021 | .151 | .074 | .021 | .145                            | .073 | .021 | .140 | .071 | .021 | .136 | .070 | .020 |   |  |
| 9.0         | .146                  | .070 | .020 | .143 | .070 | .020 | .138                            | .068 | .019 | .134 | .067 | .019 | .129 | .066 | .019 |   |  |
| 10.0        | .138                  | .066 | .018 | .136 | .066 | .018 | .132                            | .064 | .018 | .127 | .063 | .018 | .124 | .062 | .018 |   |  |

| $\rho_{cc}$ | 80%                   |      |      | 70%  |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0 |
|-------------|-----------------------|------|------|------|------|------|--|------|------|------|------|------|------|------|------|---|
| $\rho_w$    | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| $\rho_{fc}$ | 20%                   |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR         | RCR:Room Cavity Ratio |      |      |      |      |      | Ceiling Cavity Exitance Coefficients(CCEC) |      |      |      |      |      |      |      |      |   |
| 0.0         | .195                  | .195 | .195 | .166 | .166 | .166 | .114                                       | .114 | .114 | .065 | .065 | .065 | .021 | .021 | .021 |   |
| 1.0         | .179                  | .161 | .145 | .153 | .138 | .125 | .105                                       | .095 | .086 | .060 | .055 | .050 | .019 | .018 | .016 |   |
| 2.0         | .167                  | .137 | .111 | .143 | .118 | .096 | .098                                       | .081 | .067 | .056 | .047 | .039 | .018 | .015 | .013 |   |
| 3.0         | .157                  | .118 | .088 | .134 | .102 | .076 | .092                                       | .071 | .053 | .053 | .041 | .031 | .017 | .013 | .010 |   |
| 4.0         | .148                  | .104 | .071 | .127 | .090 | .061 | .087                                       | .063 | .043 | .050 | .037 | .026 | .016 | .012 | .008 |   |
| 5.0         | .140                  | .093 | .059 | .120 | .081 | .051 | .083                                       | .056 | .036 | .048 | .033 | .021 | .015 | .011 | .007 |   |
| 6.0         | .133                  | .084 | .049 | .114 | .073 | .043 | .079                                       | .051 | .030 | .046 | .030 | .018 | .015 | .010 | .006 |   |
| 7.0         | .126                  | .077 | .043 | .108 | .067 | .037 | .075                                       | .047 | .026 | .044 | .028 | .016 | .014 | .009 | .005 |   |
| 8.0         | .120                  | .071 | .037 | .103 | .062 | .032 | .072                                       | .043 | .023 | .042 | .025 | .014 | .013 | .008 | .005 |   |
| 9.0         | .115                  | .066 | .033 | .099 | .057 | .029 | .068                                       | .040 | .020 | .040 | .024 | .012 | .013 | .008 | .004 |   |
| 10.0        | .110                  | .062 | .030 | .095 | .053 | .026 | .066                                       | .038 | .018 | .038 | .022 | .011 | .012 | .007 | .004 |   |

**C Range: 0 - 360DEG**  
**C Interval: 45.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:01**  
**Test Date:14 June 2019**

**$\gamma$  Range: 0 - 180DEG**  
 **$\gamma$  Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.405.8**  
**Humidity:65.0%**  
**Test Distance:8.300m [K=1.0000]**  
**Remarks:**

**UGR(Unified Glare Rating) Table**

|  |            |            |            |            |            |                         |             |                  |             |             |
|--|------------|------------|------------|------------|------------|-------------------------|-------------|------------------|-------------|-------------|
| Test:U:221.45V I:0.9704A P:209.61W PF:0.9754 Freq:49.99Hz Lamp Flux:26146.2x1 lm |            |            |            |            |            |                         |             |                  |             |             |
| NAME: UFO  |            |            |            |            | TYPE:200w  |                         |             | WEIGHT:          |             |             |
| SPEC.:   |            |            |            |            | DIM.:      |                         |             | SERIAL No.:      |             |             |
| MFR.:  |            |            |            |            | SUR.:      |                         |             | Shielding Angle: |             |             |
| <b>ceiling/cavity</b>  | <b>0.7</b> | <b>0.7</b> | <b>0.5</b> | <b>0.5</b> | <b>0.3</b> | <b>0.7</b>              | <b>0.7</b>  | <b>0.5</b>       | <b>0.5</b>  | <b>0.3</b>  |
| <b>walls</b>   | <b>0.5</b> | <b>0.3</b> | <b>0.5</b> | <b>0.3</b> | <b>0.3</b> | <b>0.5</b>              | <b>0.3</b>  | <b>0.5</b>       | <b>0.3</b>  | <b>0.3</b>  |
| <b>working plane</b>   | <b>0.2</b> | <b>0.2</b> | <b>0.2</b> | <b>0.2</b> | <b>0.2</b> | <b>0.2</b>              | <b>0.2</b>  | <b>0.2</b>       | <b>0.2</b>  | <b>0.2</b>  |
| <b>Room dimensions</b>   |            |            |            |            |            | <b>Viewed crosswise</b> |             |                  |             |             |
| <b>x = 2H y = 2H</b>   |            |            |            |            |            | <b>Viewed endwise</b>   |             |                  |             |             |
| <b>3H</b>  |            |            |            |            |            | <b>13.2</b>             | <b>14.4</b> | <b>13.4</b>      | <b>14.5</b> | <b>14.7</b> |
| <b>4H</b>  |            |            |            |            |            | <b>13.7</b>             | <b>14.8</b> | <b>14.0</b>      | <b>15.0</b> | <b>15.3</b> |
| <b>6H</b>  |            |            |            |            |            | <b>13.9</b>             | <b>14.9</b> | <b>14.2</b>      | <b>15.2</b> | <b>15.4</b> |
| <b>8H</b>  |            |            |            |            |            | <b>14.0</b>             | <b>15.0</b> | <b>14.3</b>      | <b>15.2</b> | <b>15.5</b> |
| <b>12H</b>   |            |            |            |            |            | <b>14.0</b>             | <b>15.0</b> | <b>14.4</b>      | <b>15.2</b> | <b>15.5</b> |
| <b>4H 2H</b>   |            |            |            |            |            | <b>12.5</b>             | <b>13.7</b> | <b>12.8</b>      | <b>13.9</b> | <b>14.1</b> |
| <b>3H</b>  |            |            |            |            |            | <b>13.1</b>             | <b>14.2</b> | <b>13.4</b>      | <b>14.4</b> | <b>14.6</b> |
| <b>4H</b>  |            |            |            |            |            | <b>13.3</b>             | <b>14.3</b> | <b>13.6</b>      | <b>14.6</b> | <b>14.8</b> |
| <b>6H</b>  |            |            |            |            |            | <b>13.4</b>             | <b>14.4</b> | <b>13.7</b>      | <b>14.6</b> | <b>14.9</b> |
| <b>8H</b>  |            |            |            |            |            | <b>13.4</b>             | <b>14.3</b> | <b>13.7</b>      | <b>14.6</b> | <b>14.9</b> |
| <b>12H</b>   |            |            |            |            |            | <b>13.4</b>             | <b>14.3</b> | <b>13.7</b>      | <b>14.6</b> | <b>14.9</b> |
| <b>4H 4H</b>   |            |            |            |            |            | <b>12.8</b>             | <b>13.9</b> | <b>13.1</b>      | <b>14.1</b> | <b>14.4</b> |
| <b>3H</b>  |            |            |            |            |            | <b>13.6</b>             | <b>14.5</b> | <b>13.9</b>      | <b>14.7</b> | <b>15.0</b> |
| <b>4H</b>  |            |            |            |            |            | <b>13.8</b>             | <b>14.6</b> | <b>14.2</b>      | <b>15.0</b> | <b>15.3</b> |
| <b>6H</b>  |            |            |            |            |            | <b>14.0</b>             | <b>14.7</b> | <b>14.4</b>      | <b>15.1</b> | <b>15.4</b> |
| <b>8H</b>  |            |            |            |            |            | <b>14.1</b>             | <b>14.7</b> | <b>14.5</b>      | <b>15.1</b> | <b>15.5</b> |
| <b>12H</b>   |            |            |            |            |            | <b>14.1</b>             | <b>14.7</b> | <b>14.5</b>      | <b>15.1</b> | <b>15.5</b> |
| <b>8H 4H</b>   |            |            |            |            |            | <b>13.9</b>             | <b>14.6</b> | <b>14.3</b>      | <b>14.9</b> | <b>15.3</b> |
| <b>6H</b>  |            |            |            |            |            | <b>14.2</b>             | <b>14.7</b> | <b>14.6</b>      | <b>15.1</b> | <b>15.6</b> |
| <b>8H</b>  |            |            |            |            |            | <b>14.3</b>             | <b>14.7</b> | <b>14.7</b>      | <b>15.2</b> | <b>15.6</b> |
| <b>12H</b>   |            |            |            |            |            | <b>14.3</b>             | <b>14.7</b> | <b>14.8</b>      | <b>15.2</b> | <b>15.7</b> |
| <b>12H 4H</b>  |            |            |            |            |            | <b>13.9</b>             | <b>14.5</b> | <b>14.3</b>      | <b>14.9</b> | <b>15.3</b> |
| <b>6H</b>  |            |            |            |            |            | <b>14.2</b>             | <b>14.7</b> | <b>14.6</b>      | <b>15.1</b> | <b>15.5</b> |
| <b>8H</b>  |            |            |            |            |            | <b>14.3</b>             | <b>14.7</b> | <b>14.8</b>      | <b>15.2</b> | <b>15.6</b> |
| <b>Variations with the observer position at spacings:</b>                        |            |            |            |            |            |                         |             |                  |             |             |
| <b>S = 1.0H</b>  |            |            |            |            |            | <b>+ 0.5 / - 0.7</b>    |             |                  |             |             |
| <b>1.5H</b>  |            |            |            |            |            | <b>+ 0.5 / - 0.4</b>    |             |                  |             |             |
| <b>2.0H</b>  |            |            |            |            |            | <b>+ 1.1 / - 1.0</b>    |             |                  |             |             |

CIE Pub.117, 26146 lm Total Lamp Luminous Flux Correct ( $8\log(F/F_0) = 11.3$ )

**C Range: 0 - 360DEG**  
**C Interval: 45.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:01**  
**Test Date:14 June 2019**

**$\gamma$  Range: 0 - 180DEG**  
 **$\gamma$  Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.405.8**  
**Humidity:65.0%**  
**Test Distance:8.300m [K=1.0000]**  
**Remarks:**

**UTILIZATION FACTORS TABLE**

|  |           |                  |
|--|-----------|------------------|
| Test:U:221.45V I:0.9704A P:209.61W PF:0.9754 Freq:49.99Hz Lamp Flux:26146.2x1 lm |           |                  |
| NAME: UFO  | TYPE:200w | WEIGHT:          |
| SPEC.:   | DIM.:     | SERIAL No.:      |
| MFR.:  | SUR.:     | Shielding Angle: |

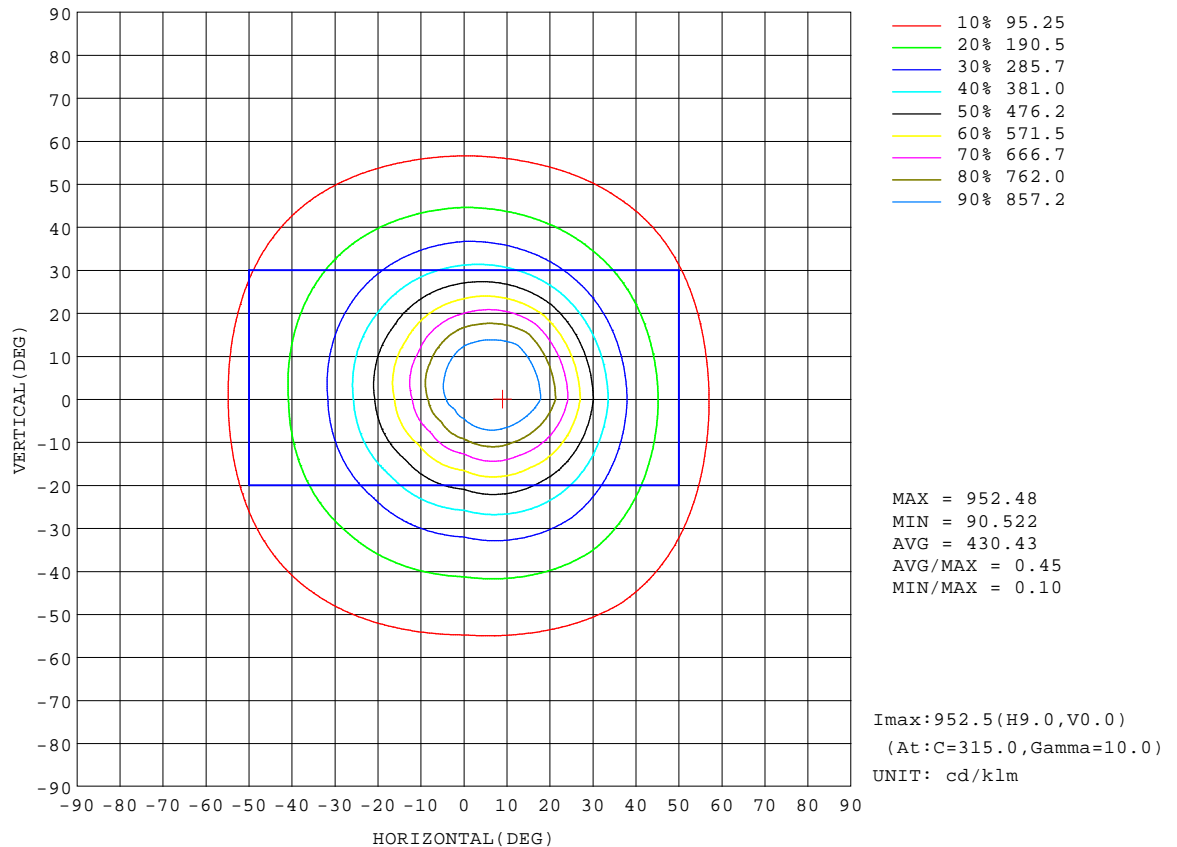
| REFLECTANCE                      |   |     |           |     |     |     |     |               |     |        |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling                          | 0.8   | 0.8 | 0.8       | 0.7 | 0.7 | 0.7 | 0.5 | 0.5           | 0.5 | 0      |
| Walls                            | 0.7   | 0.5 | 0.3       | 0.7 | 0.5 | 0.3 | 0.7 | 0.5           | 0.3 | 0      |
| Working plane                    | 0.2   | 0.2 | 0.2       | 0.2 | 0.2 | 0.2 | 0.2 | 0.2           | 0.2 | 0      |
| ROOM INDEX                       | UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 72  | 63  | 58        | 71  | 63  | 58  | 70  | 62            | 57  | 52     |
| 0.80                             | 81  | 73  | 67        | 80  | 72  | 67  | 79  | 71            | 66  | 61     |
| 1.00                             | 88  | 80  | 74        | 87  | 79  | 74  | 85  | 80            | 74  | 68     |
| 1.25                             | 94  | 86  | 81        | 93  | 85  | 81  | 90  | 84            | 80  | 74     |
| 1.50                             | 98  | 91  | 86        | 96  | 90  | 85  | 94  | 88            | 84  | 78     |
| 2.00                             | 102   | 96  | 92        | 101 | 95  | 91  | 98  | 93            | 89  | 83     |
| 2.50                             | 105   | 100 | 95        | 103 | 98  | 94  | 100 | 96            | 92  | 85     |
| 3.00                             | 107   | 103 | 99        | 105 | 101 | 98  | 102 | 98            | 95  | 88     |
| 4.00                             | 110   | 106 | 103       | 108 | 105 | 102 | 104 | 101           | 99  | 91     |
| 5.00                             | 112   | 109 | 106       | 110 | 107 | 104 | 105 | 103           | 101 | 93     |
| ROOM INDEX                       | UF(total)   |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |   |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

**C Range: 0 - 360DEG**  
**C Interval: 45.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:01**  
**Test Date:14 June 2019**

**$\gamma$  Range: 0 - 180DEG**  
 **$\gamma$  Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.405.8**  
**Humidity:65.0%**  
**Test Distance:8.300m [K=1.0000]**  
**Remarks:**

**ISOCANDELA DIAGRAM**

|  |           |                  |
|--|-----------|------------------|
| Test:U:221.45V I:0.9704A P:209.61W PF:0.9754 Freq:49.99Hz Lamp Flux:26146.2x1 lm |           |                  |
| NAME: UFO  | TYPE:200w | WEIGHT:          |
| SPEC.:   | DIM.:     | SERIAL No.:      |
| MFR.:  | SUR.:     | Shielding Angle: |



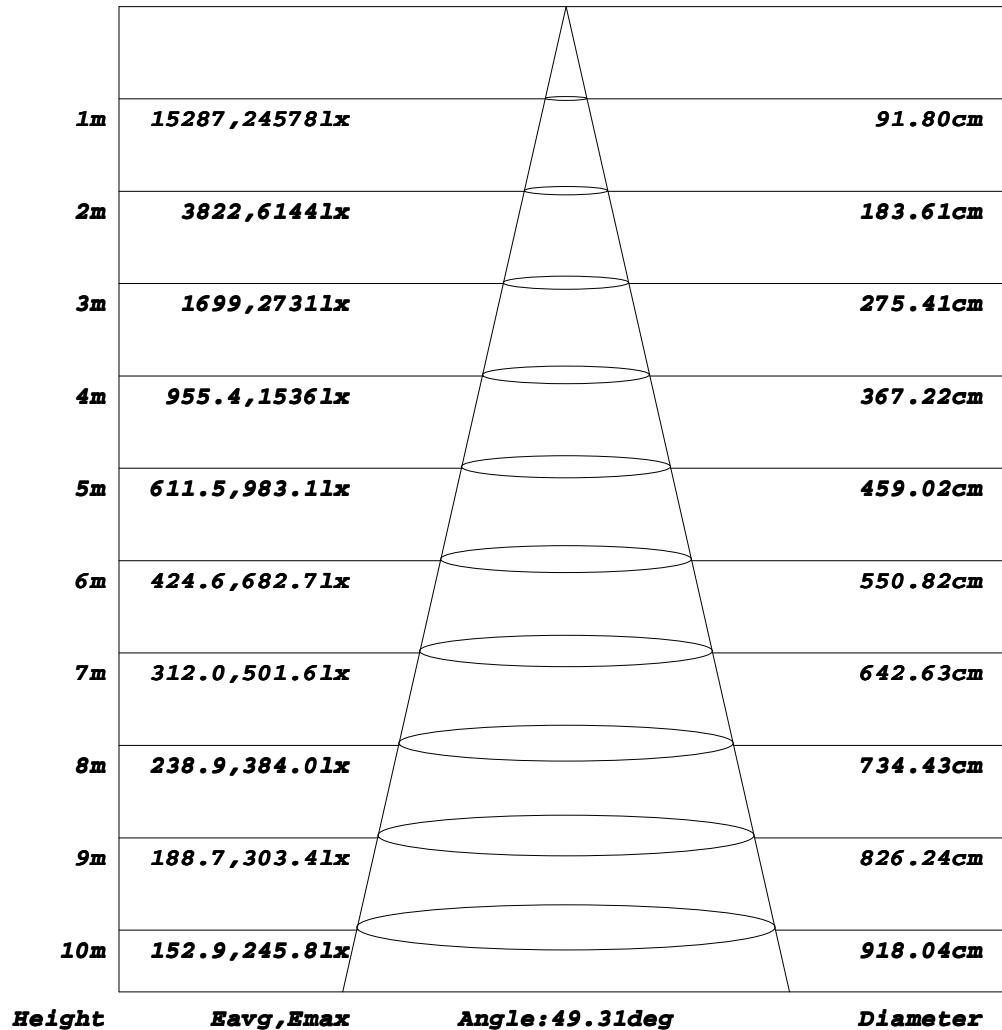
**C Range: 0 - 360DEG**  
**C Interval: 45.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:01**  
**Test Date:14 June 2019**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.405.8**  
**Humidity:65.0%**  
**Test Distance:8.300m [K=1.0000]**  
**Remarks:**



**AAI Figure**

|  |           |                  |
|--|-----------|------------------|
| Test:U:221.45V I:0.9704A P:209.61W PF:0.9754 Freq:49.99Hz Lamp Flux:26146.2x1 lm |           |                  |
| NAME: UFO  | TYPE:200w | WEIGHT:          |
| SPEC.:   | DIM.:     | SERIAL No.:      |
| MFR.:  | SUR.:     | Shielding Angle: |

**Flux out:10443 lm**


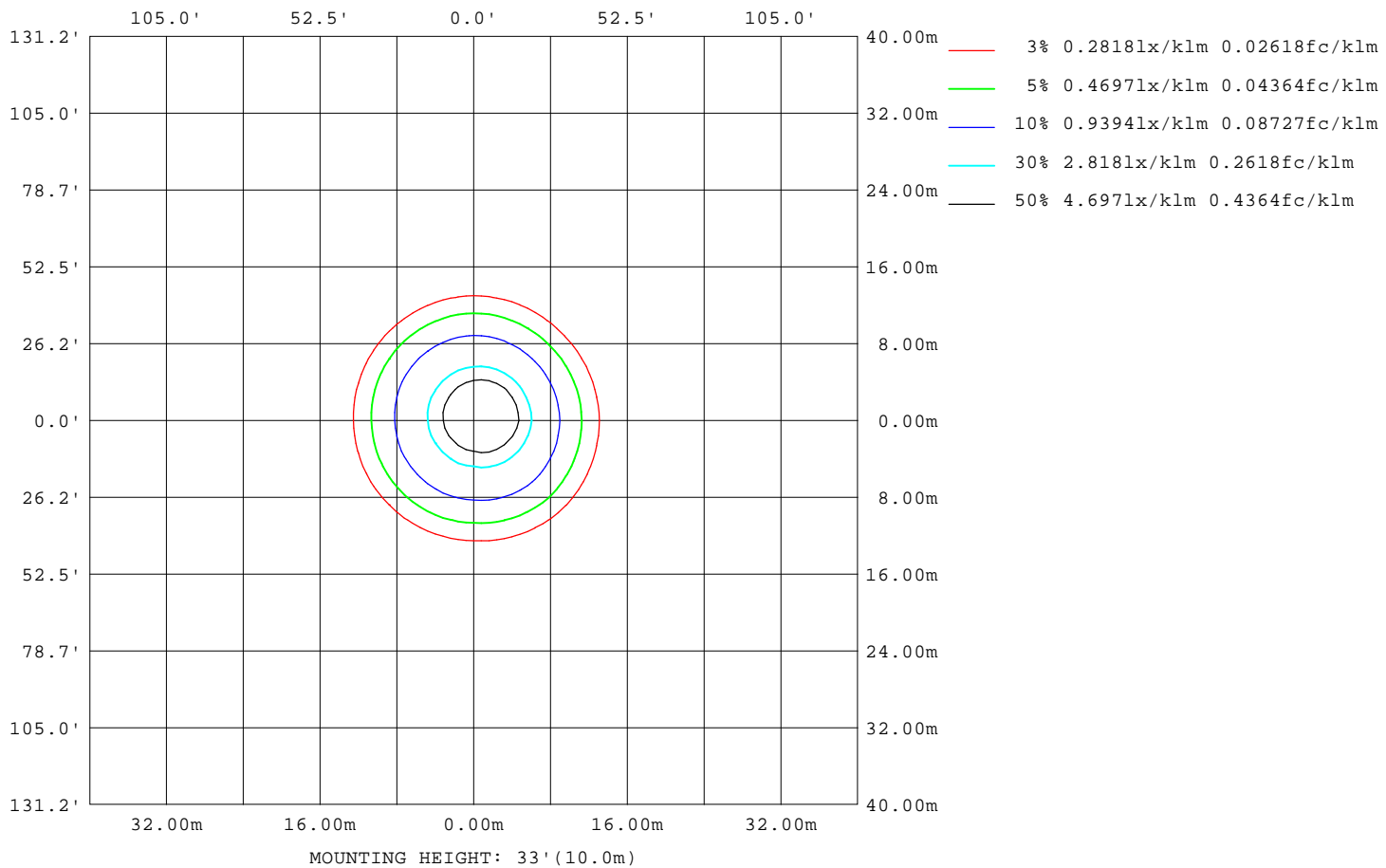
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

**C Range: 0 - 360DEG**  
**C Interval: 45.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3DEG**  
**Operators: 01**  
**Test Date: 14 June 2019**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.405.8**  
**Humidity: 65.0%**  
**Test Distance: 8.300m [K=1.0000]**  
**Remarks:**

**ISOLUX DIAGRAM**

|  |           |                  |
|--|-----------|------------------|
| Test:U:221.45V I:0.9704A P:209.61W PF:0.9754 Freq:49.99Hz Lamp Flux:26146.2x1 lm |           |                  |
| NAME: UFO  | TYPE:200w | WEIGHT:          |
| SPEC.:   | DIM.:     | SERIAL No.:      |
| MFR.:  | SUR.:     | Shielding Angle: |



**C Range: 0 - 360DEG**  
**C Interval: 45.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3DEG**  
**Operators: 01**  
**Test Date: 14 June 2019**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.405.8**  
**Humidity: 65.0%**  
**Test Distance: 8.300m [K=1.0000]**  
**Remarks:**

### LED Avg.L Report

|  |           |                  |
|--|-----------|------------------|
| Test:U:221.45V I:0.9704A P:209.61W PF:0.9754 Freq:49.99Hz Lamp Flux:26146.2x1 lm |           |                  |
| NAME: UFO  | TYPE:200w | WEIGHT:          |
| SPEC.:   | DIM.:     | SERIAL No.:      |
| MFR.:  | SUR.:     | Shielding Angle: |

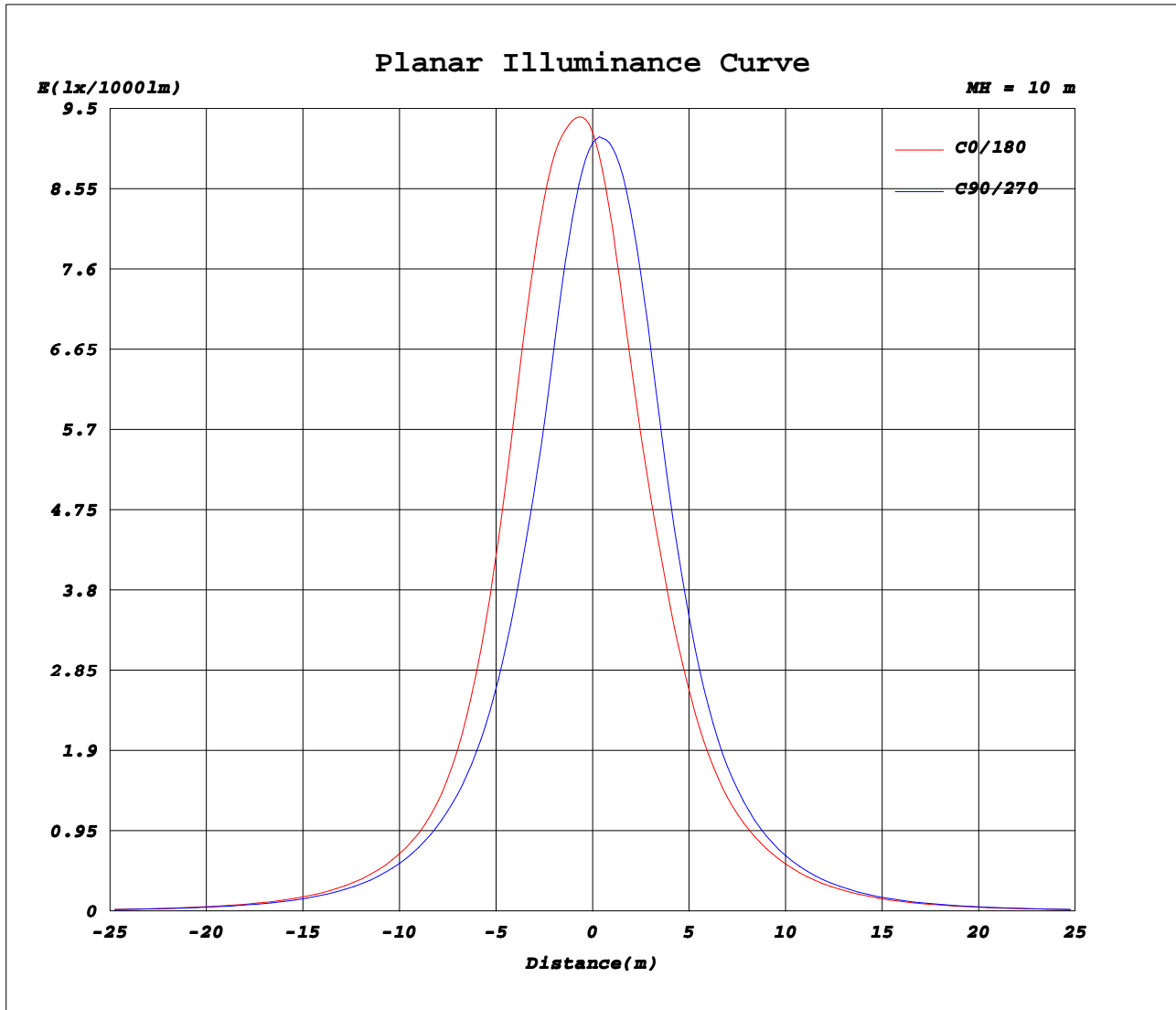
| AvgL           | cd/m2 |
|----------------|-------|
| L_0~180(65)av  | 25433 |
| L_0~180(75)av  | 17248 |
| L_0~180(85)av  | 9795  |
| L_90~270(65)av | 25379 |
| L_90~270(75)av | 17195 |
| L_90~270(85)av | 10246 |
| L_45(65)av     | 25558 |
| L_45(75)av     | 17238 |
| L_45(85)av     | 9975  |

Standard: GB/T 29293-2012

**C Range: 0 - 360DEG**  
**C Interval: 45.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:01**  
**Test Date:14 June 2019**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.405.8**  
**Humidity:65.0%**  
**Test Distance:8.300m [K=1.0000]**  
**Remarks:**

**Planar Illuminance Curve**



**C Range: 0 - 360DEG**  
**C Interval: 45.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3DEG**  
**Operators: 01**  
**Test Date: 14 June 2019**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.405.8**  
**Humidity: 65.0%**  
**Test Distance: 8.300m [K=1.0000]**  
**Remarks:**

**LUMINOUS DISTRIBUTION INTENSITY DATA**

|  |           |                  |
|--|-----------|------------------|
| Test:U:221.45V I:0.9704A P:209.61W PF:0.9754 Freq:49.99Hz Lamp Flux:26146.2x1 lm |           |                  |
| NAME: UFO  | TYPE:200w | WEIGHT:          |
| SPEC.:   | DIM.:     | SERIAL No.:      |
| MFR.:  | SUR.:     | Shielding Angle: |

Table--1

UNIT: cd/klm

| C (DEG)<br>γ (DEG) | 0    | 45   | 90   | 135  | 180  | 225  | 270  | 315  |  |  |  |  |  |  |  |  |  |  |
|--------------------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|
| 0                  | 913  | 913  | 913  | 913  | 913  | 913  | 913  | 913  |  |  |  |  |  |  |  |  |  |  |
| 5                  | 940  | 910  | 854  | 828  | 832  | 876  | 923  | 937  |  |  |  |  |  |  |  |  |  |  |
| 10                 | 942  | 857  | 745  | 698  | 711  | 791  | 895  | 945  |  |  |  |  |  |  |  |  |  |  |
| 15                 | 902  | 750  | 610  | 574  | 592  | 667  | 808  | 914  |  |  |  |  |  |  |  |  |  |  |
| 20                 | 794  | 619  | 498  | 470  | 487  | 548  | 668  | 806  |  |  |  |  |  |  |  |  |  |  |
| 25                 | 633  | 499  | 398  | 375  | 390  | 440  | 530  | 635  |  |  |  |  |  |  |  |  |  |  |
| 30                 | 474  | 394  | 315  | 298  | 306  | 349  | 407  | 468  |  |  |  |  |  |  |  |  |  |  |
| 35                 | 343  | 307  | 252  | 240  | 242  | 277  | 312  | 334  |  |  |  |  |  |  |  |  |  |  |
| 40                 | 250  | 241  | 202  | 194  | 195  | 221  | 241  | 244  |  |  |  |  |  |  |  |  |  |  |
| 45                 | 190  | 189  | 161  | 157  | 157  | 174  | 187  | 186  |  |  |  |  |  |  |  |  |  |  |
| 50                 | 145  | 145  | 125  | 123  | 123  | 133  | 143  | 141  |  |  |  |  |  |  |  |  |  |  |
| 55                 | 107  | 108  | 94.6 | 94.1 | 93.4 | 99.8 | 106  | 104  |  |  |  |  |  |  |  |  |  |  |
| 60                 | 77.0 | 77.7 | 69.0 | 68.8 | 68.2 | 72.0 | 75.8 | 74.6 |  |  |  |  |  |  |  |  |  |  |
| 65                 | 53.2 | 53.4 | 48.3 | 48.1 | 47.6 | 49.8 | 52.2 | 51.2 |  |  |  |  |  |  |  |  |  |  |
| 70                 | 35.3 | 35.2 | 32.4 | 32.3 | 31.6 | 33.0 | 34.3 | 33.8 |  |  |  |  |  |  |  |  |  |  |
| 75                 | 22.2 | 21.9 | 20.3 | 20.2 | 19.6 | 20.4 | 21.4 | 21.1 |  |  |  |  |  |  |  |  |  |  |
| 80                 | 12.4 | 12.2 | 11.3 | 11.2 | 10.6 | 11.0 | 11.9 | 11.7 |  |  |  |  |  |  |  |  |  |  |
| 85                 | 4.88 | 4.52 | 3.90 | 3.66 | 3.12 | 3.61 | 4.47 | 4.51 |  |  |  |  |  |  |  |  |  |  |
| 90                 | 0.12 | 0.10 | 0.10 | 0.10 | 0.07 | 0.07 | 0.07 | 0.08 |  |  |  |  |  |  |  |  |  |  |
| 95                 | 0.12 | 0.12 | 0.13 | 0.13 | 0.10 | 0.10 | 0.09 | 0.09 |  |  |  |  |  |  |  |  |  |  |
| 100                | 0.17 | 0.17 | 0.18 | 0.18 | 0.14 | 0.14 | 0.13 | 0.13 |  |  |  |  |  |  |  |  |  |  |
| 105                | 0.23 | 0.24 | 0.26 | 0.25 | 0.21 | 0.20 | 0.19 | 0.19 |  |  |  |  |  |  |  |  |  |  |
| 110                | 0.31 | 0.33 | 0.35 | 0.34 | 0.29 | 0.28 | 0.26 | 0.26 |  |  |  |  |  |  |  |  |  |  |
| 115                | 0.41 | 0.43 | 0.46 | 0.45 | 0.39 | 0.39 | 0.35 | 0.34 |  |  |  |  |  |  |  |  |  |  |
| 120                | 0.52 | 0.56 | 0.59 | 0.60 | 0.52 | 0.51 | 0.46 | 0.44 |  |  |  |  |  |  |  |  |  |  |
| 125                | 0.65 | 0.71 | 0.76 | 0.78 | 0.69 | 0.66 | 0.59 | 0.56 |  |  |  |  |  |  |  |  |  |  |
| 130                | 0.80 | 0.88 | 0.96 | 1.02 | 0.91 | 0.84 | 0.74 | 0.70 |  |  |  |  |  |  |  |  |  |  |
| 135                | 0.99 | 1.10 | 1.22 | 1.33 | 1.19 | 1.06 | 0.92 | 0.87 |  |  |  |  |  |  |  |  |  |  |
| 140                | 1.21 | 1.35 | 1.54 | 1.71 | 1.54 | 1.33 | 1.14 | 1.07 |  |  |  |  |  |  |  |  |  |  |
| 145                | 1.48 | 1.65 | 1.91 | 2.12 | 1.94 | 1.65 | 1.40 | 1.32 |  |  |  |  |  |  |  |  |  |  |
| 150                | 1.79 | 2.00 | 2.30 | 2.52 | 2.33 | 2.01 | 1.71 | 1.62 |  |  |  |  |  |  |  |  |  |  |
| 155                | 2.14 | 2.37 | 2.67 | 2.87 | 2.69 | 2.38 | 2.07 | 1.96 |  |  |  |  |  |  |  |  |  |  |
| 160                | 2.51 | 2.73 | 3.00 | 3.17 | 3.00 | 2.73 | 2.45 | 2.34 |  |  |  |  |  |  |  |  |  |  |
| 165                | 2.88 | 3.06 | 3.26 | 3.42 | 3.29 | 3.05 | 2.82 | 2.73 |  |  |  |  |  |  |  |  |  |  |
| 170                | 3.24 | 3.34 | 3.47 | 3.63 | 3.54 | 3.33 | 3.17 | 3.11 |  |  |  |  |  |  |  |  |  |  |
| 175                | 3.51 | 3.54 | 3.61 | 3.73 | 3.70 | 3.53 | 3.45 | 3.43 |  |  |  |  |  |  |  |  |  |  |
| 180                | 3.69 | 3.65 | 3.63 | 3.69 | 3.71 | 3.63 | 3.64 | 3.67 |  |  |  |  |  |  |  |  |  |  |

**C Range: 0 - 360DEG**
**C Interval: 45.0DEG**
**Test Speed: HIGH**
**Temperature:25.3DEG**
**Operators:01**
**Test Date:14 June 2019**
**γ Range: 0 - 180DEG**
**γ Interval: 1.0DEG**
**Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.405.8**
**Humidity:65.0%**
**Test Distance:8.300m [K=1.0000]**
**Remarks:**