

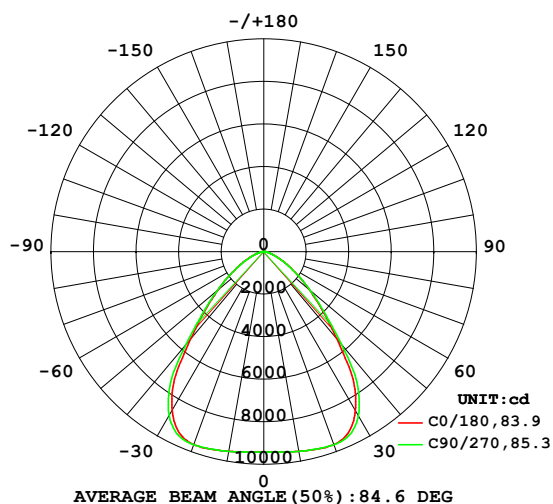
## EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## LUMINAIRE PHOTOMETRIC TEST REPORT

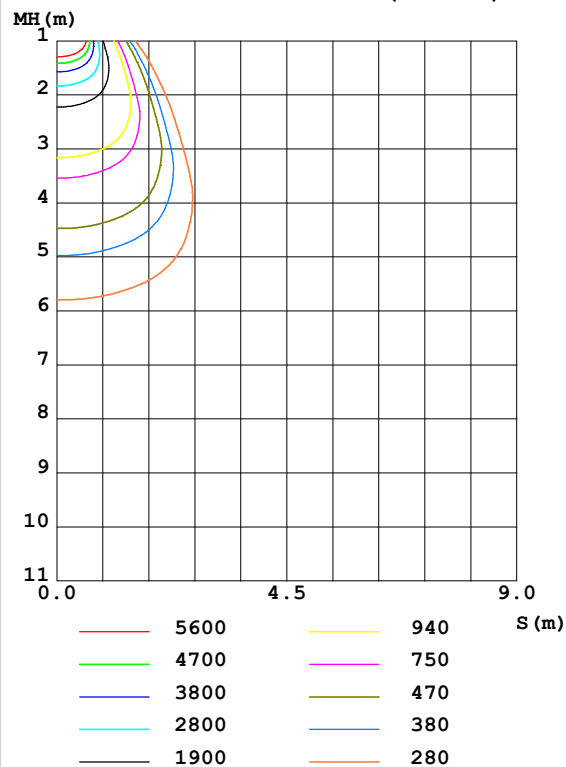
|                                                                   |            |                  |
|-------------------------------------------------------------------|------------|------------------|
| Test:U:230.1V I:0.4587A P:100.4W PF:0.9511 Lamp Flux:18701.7x1 lm |            |                  |
| NAME: 950-105_90°                                                 | TYPE:100W  | WEIGHT:          |
| SPEC.:4000K                                                       | DIM.:      | SERIAL No.:      |
| MFR.:                                                             | SUR.:φ0.27 | Shielding Angle: |

| DATA OF LAMP     |         | PHOTOMETRIC DATA Eff: 186.31 lm/W |        |                   |          |
|------------------|---------|-----------------------------------|--------|-------------------|----------|
| MODEL            | 2835    | I <sub>max</sub> (cd)             | 9665   | S/MH(C0/180)      | 1.20     |
| NOMINAL POWER(W) | 100     | LOR(%)                            | 100.0  | S/MH(C90/270)     | 1.22     |
| RATED VOLTAGE(V) | 230     | TOTAL FLUX(lm)                    | 18702  | η UP,DN(C0-180)   | 0.0,50.0 |
| NOMINAL FLUX(lm) | 18701.7 | CIE CLASS                         | DIRECT | η UP,DN(C180-360) | 0.0,50.0 |
| LAMPS INSIDE     | 1       | η up(%)                           | 0.0    | CIBSE SHR NOM     | 1.25     |
| TEST VOLTAGE(V)  | 230     | η down(%)                         | 100.0  | CIBSE SHR MAX     | 1.25     |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 2.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-11-08

Checker: LI

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:9.500m [K=1.0000]  
Remarks:

Assessor:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

| $\gamma$ | C0                    | C45   | C90   | C135  | C180  | C225  | C270  | C315  | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum,lamp |
|----------|-----------------------|-------|-------|-------|-------|-------|-------|-------|----------|-------------|--------------|-----------|
| 5        | 9453                  | 9449  | 9454  | 9456  | 9453  | 9456  | 9454  | 9449  | 0- 5     | 225.6       | 225.6        | 1.21,1.21 |
| 10       | 9531                  | 9521  | 9535  | 9537  | 9531  | 9537  | 9535  | 9521  | 5- 10    | 679.6       | 905.2        | 4.84,4.84 |
| 15       | 9614                  | 9597  | 9607  | 9618  | 9614  | 9618  | 9607  | 9597  | 10- 15   | 1136        | 2041         | 10.9,10.9 |
| 20       | 9650                  | 9646  | 9652  | 9648  | 9650  | 9648  | 9652  | 9646  | 15- 20   | 1589        | 3631         | 19.4,19.4 |
| 25       | 9404                  | 9469  | 9519  | 9431  | 9404  | 9431  | 9519  | 9469  | 20- 25   | 2011        | 5641         | 30.2,30.2 |
| 30       | 8611                  | 8803  | 8899  | 8706  | 8611  | 8706  | 8899  | 8803  | 25- 30   | 2315        | 7957         | 42.5,42.5 |
| 35       | 7316                  | 7576  | 7698  | 7423  | 7316  | 7423  | 7698  | 7576  | 30- 35   | 2404        | 10361        | 55.4,55.4 |
| 40       | 5334                  | 5560  | 5671  | 5439  | 5334  | 5439  | 5671  | 5560  | 35- 40   | 2175        | 12536        | 67,67     |
| 45       | 3902                  | 4024  | 4016  | 3920  | 3902  | 3920  | 4016  | 4024  | 40- 45   | 1730        | 14266        | 76.3,76.3 |
| 50       | 2821                  | 2857  | 2865  | 2848  | 2821  | 2848  | 2865  | 2857  | 45- 50   | 1366        | 15632        | 83.6,83.6 |
| 55       | 2009                  | 2017  | 2003  | 2015  | 2009  | 2015  | 2003  | 2017  | 50- 55   | 1050        | 16681        | 89.2,89.2 |
| 60       | 1366                  | 1368  | 1330  | 1349  | 1366  | 1349  | 1330  | 1368  | 55- 60   | 763.6       | 17445        | 93.3,93.3 |
| 65       | 877.9                 | 876.3 | 845.6 | 854.3 | 877.9 | 854.3 | 845.6 | 876.3 | 60- 65   | 528.4       | 17973        | 96.1,96.1 |
| 70       | 528.8                 | 518.6 | 509.1 | 511.2 | 528.8 | 511.2 | 509.1 | 518.6 | 65- 70   | 340.2       | 18314        | 97.9,97.9 |
| 75       | 300.0                 | 295.2 | 295.4 | 292.6 | 300.0 | 292.6 | 295.4 | 295.2 | 70- 75   | 205.4       | 18519        | 99,99     |
| 80       | 152.9                 | 151.6 | 149.3 | 150.1 | 152.9 | 150.1 | 149.3 | 151.6 | 75- 80   | 117.4       | 18636        | 99.7,99.7 |
| 85       | 54.47                 | 53.25 | 52.80 | 53.78 | 54.47 | 53.78 | 52.80 | 53.25 | 80- 85   | 53.24       | 18690        | 99.9,99.9 |
| 90       | 3.263                 | 3.249 | 3.231 | 3.257 | 3.263 | 3.257 | 3.231 | 3.249 | 85- 90   | 12.00       | 18702        | 100,100   |
| 95       |                       |       |       |       |       |       |       |       | 90- 95   |             |              |           |
| 100      |                       |       |       |       |       |       |       |       | 95-100   |             |              |           |
| 105      |                       |       |       |       |       |       |       |       | 100-105  |             |              |           |
| 110      |                       |       |       |       |       |       |       |       | 105-110  |             |              |           |
| 115      |                       |       |       |       |       |       |       |       | 110-115  |             |              |           |
| 120      |                       |       |       |       |       |       |       |       | 115-120  |             |              |           |
| 125      |                       |       |       |       |       |       |       |       | 120-125  |             |              |           |
| 130      |                       |       |       |       |       |       |       |       | 125-130  |             |              |           |
| 135      |                       |       |       |       |       |       |       |       | 130-135  |             |              |           |
| 140      |                       |       |       |       |       |       |       |       | 135-140  |             |              |           |
| 145      |                       |       |       |       |       |       |       |       | 140-145  |             |              |           |
| 150      |                       |       |       |       |       |       |       |       | 145-150  |             |              |           |
| 155      |                       |       |       |       |       |       |       |       | 150-155  |             |              |           |
| 160      |                       |       |       |       |       |       |       |       | 155-160  |             |              |           |
| 165      |                       |       |       |       |       |       |       |       | 160-165  |             |              |           |
| 170      |                       |       |       |       |       |       |       |       | 165-170  |             |              |           |
| 175      |                       |       |       |       |       |       |       |       | 170-175  |             |              |           |
| 180      |                       |       |       |       |       |       |       |       | 175-180  |             |              |           |
| DEG      | LUMINOUS INTENSITY:cd |       |       |       |       |       |       |       |          | UNIT:lm     |              |           |

Conical surface Flux(90deg): 14266 lm

%lum = 76.3%

%lamp = 76.3%

Conical surface Flux(120deg): 17445 lm

%lum = 93.3%

%lamp = 93.3%

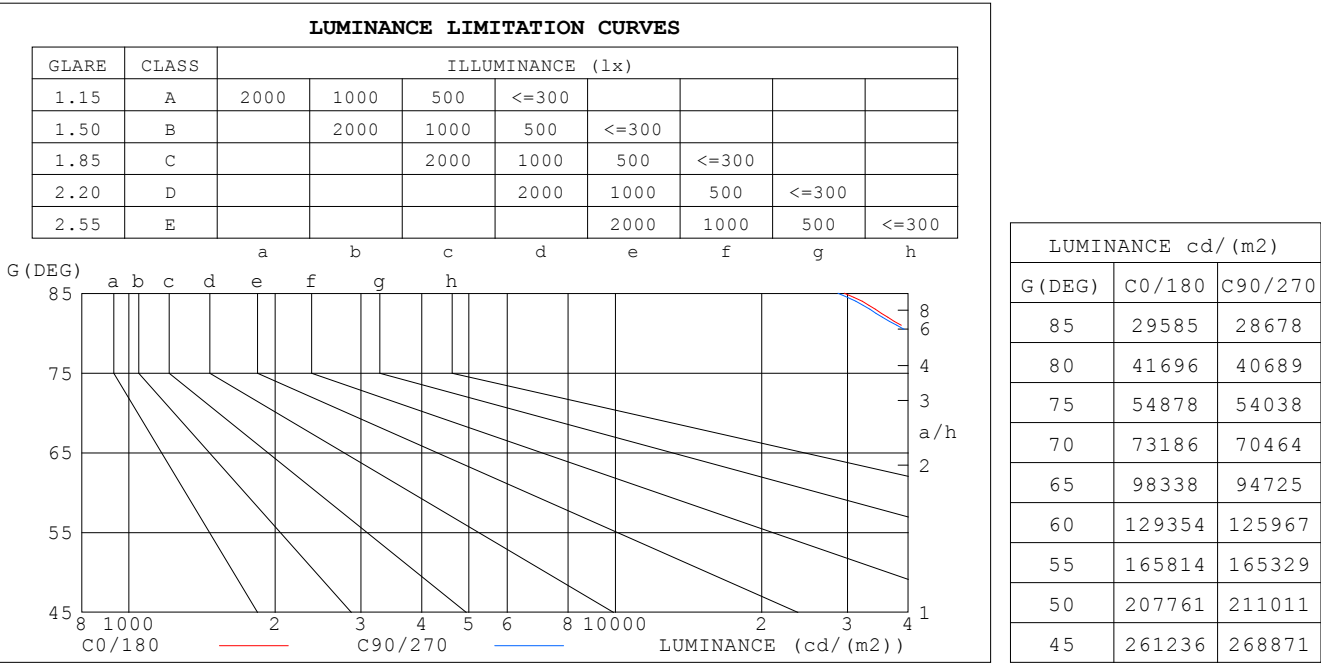
C Range: 0 - 360DEG  
C Interval: 2.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-11-08

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:9.500m [K=1.0000]  
Remarks:

Checker: LI

Assessor:

LUMINANCE LIMITATION CURVES



C Range: 0 - 360DEG  
C Interval: 2.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-11-08

Checker: LI

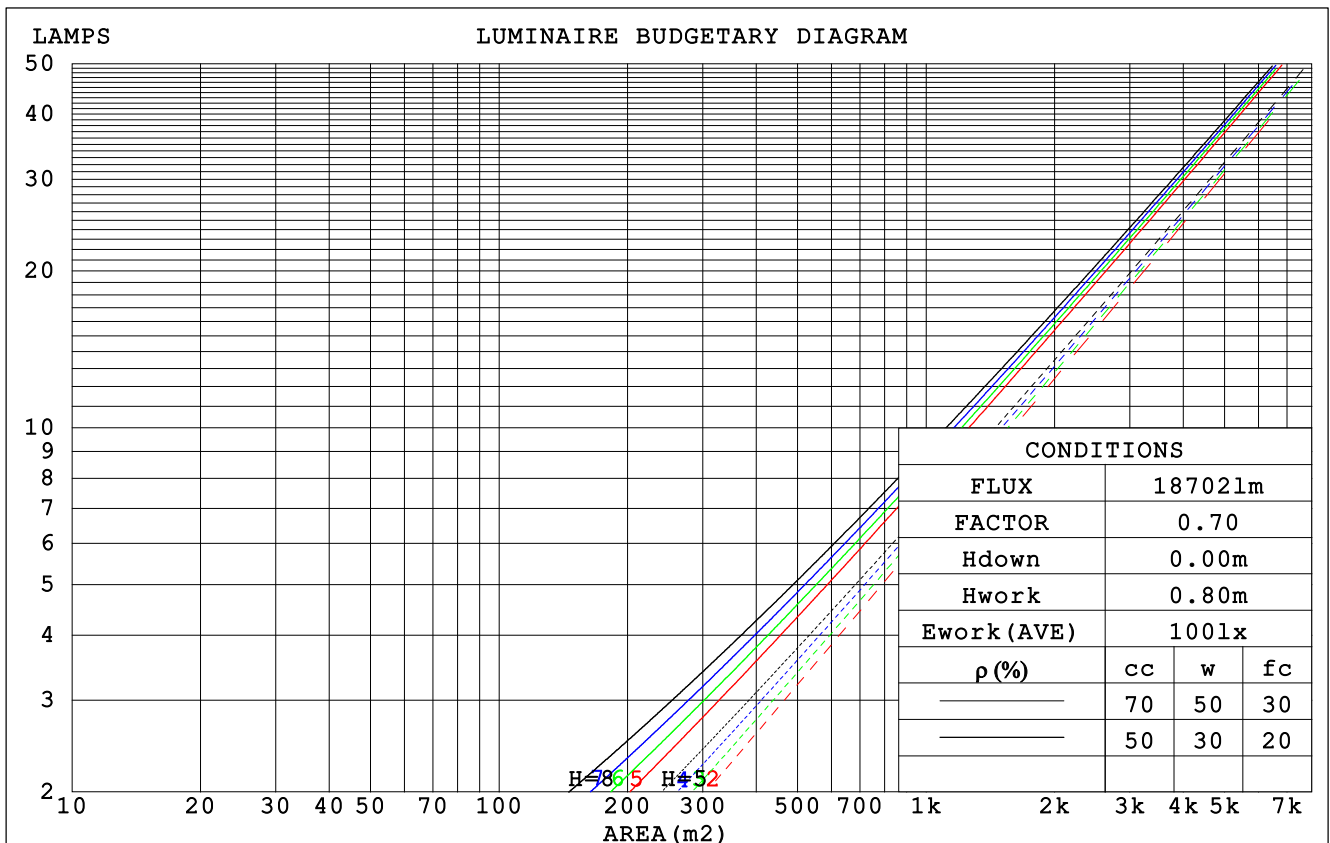
γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:9.500m [K=1.0000]  
Remarks:

Assessor:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| pcc  | 80%                   |      |      | 70%                             |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0    |
|------|-----------------------|------|------|---------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| pw   | 50%                   | 30%  | 10%  | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0    |
| pfc  | 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 | 1.00 |
| 1.0  | 1.08                  | 1.05 | 1.02 | 1.06                            | 1.03 | 1.00 | 1.02 | .99  | .97  | .98  | .96  | .94  | .94  | .93  | .91  | .89  |
| 2.0  | .97                   | .92  | .87  | .95                             | .91  | .86  | .92  | .88  | .84  | .89  | .86  | .83  | .86  | .83  | .81  | .79  |
| 3.0  | .88                   | .81  | .76  | .86                             | .80  | .75  | .84  | .78  | .74  | .81  | .77  | .73  | .79  | .75  | .72  | .70  |
| 4.0  | .80                   | .72  | .67  | .78                             | .72  | .67  | .76  | .70  | .66  | .74  | .69  | .65  | .72  | .68  | .64  | .62  |
| 5.0  | .73                   | .65  | .59  | .72                             | .64  | .59  | .70  | .63  | .59  | .68  | .62  | .58  | .66  | .61  | .57  | .56  |
| 6.0  | .66                   | .59  | .53  | .66                             | .58  | .53  | .64  | .57  | .53  | .62  | .57  | .52  | .61  | .56  | .52  | .50  |
| 7.0  | .61                   | .53  | .48  | .60                             | .53  | .48  | .59  | .52  | .48  | .57  | .52  | .47  | .56  | .51  | .47  | .45  |
| 8.0  | .56                   | .49  | .44  | .56                             | .48  | .43  | .54  | .48  | .43  | .53  | .47  | .43  | .52  | .47  | .43  | .41  |
| 9.0  | .52                   | .45  | .40  | .51                             | .44  | .40  | .50  | .44  | .40  | .49  | .44  | .39  | .48  | .43  | .39  | .38  |
| 10.0 | .48                   | .41  | .37  | .48                             | .41  | .36  | .47  | .41  | .36  | .46  | .40  | .36  | .45  | .40  | .36  | .34  |



C Range: 0 - 360DEG  
 C Interval: 2.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2018-11-08

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
 Humidity:65.0%  
 Test Distance:9.500m [K=1.0000]  
 Remarks:

Checker: LI

Assessor:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## WEC AND CCEC

| pcc  | 80%                   |      |      | 70%  |      |      | 50%                              |      |      | 30%  |      |      | 10%  |      |      | 0 |
|------|-----------------------|------|------|------|------|------|----------------------------------|------|------|------|------|------|------|------|------|---|
| pw   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                              | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| pfc  | 20%                   |      |      | 20%  |      |      | 20%                              |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR  | RCR:Room Cavity Ratio |      |      |      |      |      | Wall Exitance Coefficients (WEC) |      |      |      |      |      |      |      |      |   |
| 0.0  |                       |      |      |      |      |      |                                  |      |      |      |      |      |      |      |      |   |
| 1.0  | .233                  | .133 | .042 | .226 | .129 | .041 | .213                             | .122 | .039 | .202 | .116 | .037 | .191 | .111 | .036 |   |
| 2.0  | .226                  | .124 | .038 | .220 | .121 | .037 | .209                             | .116 | .036 | .199 | .112 | .035 | .190 | .107 | .034 |   |
| 3.0  | .215                  | .115 | .034 | .210 | .113 | .034 | .200                             | .109 | .033 | .191 | .105 | .032 | .183 | .101 | .031 |   |
| 4.0  | .204                  | .106 | .031 | .199 | .104 | .031 | .191                             | .101 | .030 | .183 | .098 | .030 | .175 | .095 | .029 |   |
| 5.0  | .192                  | .098 | .028 | .188 | .097 | .028 | .181                             | .094 | .028 | .174 | .092 | .027 | .167 | .089 | .027 |   |
| 6.0  | .182                  | .091 | .026 | .178 | .090 | .026 | .171                             | .088 | .026 | .165 | .086 | .025 | .159 | .084 | .025 |   |
| 7.0  | .172                  | .085 | .024 | .169 | .084 | .024 | .163                             | .082 | .024 | .157 | .080 | .023 | .152 | .079 | .023 |   |
| 8.0  | .163                  | .079 | .022 | .160 | .079 | .022 | .154                             | .077 | .022 | .149 | .076 | .022 | .145 | .074 | .022 |   |
| 9.0  | .154                  | .075 | .021 | .152 | .074 | .021 | .147                             | .073 | .021 | .142 | .071 | .020 | .138 | .070 | .020 |   |
| 10.0 | .146                  | .070 | .019 | .144 | .070 | .019 | .140                             | .069 | .019 | .136 | .067 | .019 | .132 | .066 | .019 |   |

| ρcc  | 80%                   |      |      | 70%  |      |      | 50%                                        |      |      | 30%  |      |      | 10%  |      |      | 0 |
|------|-----------------------|------|------|------|------|------|--------------------------------------------|------|------|------|------|------|------|------|------|---|
| ρw   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                                        | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| ρfc  | 20%                   |      |      | 20%  |      |      | 20%                                        |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR  | RCR:Room Cavity Ratio |      |      |      |      |      | Ceiling Cavity Exitance Coefficients(CCEC) |      |      |      |      |      |      |      |      |   |
| 0.0  | .190                  | .190 | .190 | .163 | .163 | .163 | .111                                       | .111 | .111 | .064 | .064 | .064 | .020 | .020 | .020 |   |
| 1.0  | .175                  | .157 | .140 | .150 | .135 | .121 | .102                                       | .093 | .084 | .059 | .054 | .049 | .019 | .017 | .016 |   |
| 2.0  | .164                  | .132 | .106 | .140 | .114 | .092 | .096                                       | .079 | .064 | .055 | .046 | .037 | .018 | .015 | .012 |   |
| 3.0  | .154                  | .114 | .082 | .132 | .098 | .071 | .091                                       | .068 | .050 | .052 | .040 | .029 | .017 | .013 | .010 |   |
| 4.0  | .146                  | .100 | .065 | .125 | .086 | .057 | .086                                       | .060 | .040 | .050 | .035 | .024 | .016 | .011 | .008 |   |
| 5.0  | .138                  | .089 | .053 | .119 | .077 | .046 | .082                                       | .054 | .032 | .047 | .032 | .019 | .015 | .010 | .006 |   |
| 6.0  | .131                  | .080 | .044 | .113 | .070 | .038 | .078                                       | .049 | .027 | .045 | .029 | .016 | .015 | .009 | .005 |   |
| 7.0  | .125                  | .073 | .037 | .108 | .064 | .032 | .074                                       | .045 | .023 | .043 | .026 | .014 | .014 | .009 | .004 |   |
| 8.0  | .119                  | .067 | .032 | .103 | .058 | .028 | .071                                       | .041 | .020 | .041 | .024 | .012 | .013 | .008 | .004 |   |
| 9.0  | .114                  | .062 | .028 | .098 | .054 | .024 | .068                                       | .038 | .017 | .040 | .022 | .010 | .013 | .007 | .003 |   |
| 10.0 | .109                  | .058 | .024 | .094 | .051 | .021 | .065                                       | .036 | .015 | .038 | .021 | .009 | .012 | .007 | .003 |   |

C Range: 0 - 360DEG  
 C Interval: 2.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2018-11-08

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
 Humidity:65.0%  
 Test Distance:9.500m [K=1.0000]  
 Remarks:

Checker: LI

Assessor:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## UGR(Unified Glare Rating) Table

|                                                    |                  |      |      |      |      |                |      |      |      |      |
|----------------------------------------------------|------------------|------|------|------|------|----------------|------|------|------|------|
| ceiling/cavity                                     | 0.7              | 0.7  | 0.5  | 0.5  | 0.3  | 0.7            | 0.7  | 0.5  | 0.5  | 0.3  |
| walls                                              | 0.5              | 0.3  | 0.5  | 0.3  | 0.3  | 0.5            | 0.3  | 0.5  | 0.3  | 0.3  |
| working plane                                      | 0.2              | 0.2  | 0.2  | 0.2  | 0.2  | 0.2            | 0.2  | 0.2  | 0.2  | 0.2  |
| Room dimensions                                    | Viewed crosswise |      |      |      |      | Viewed endwise |      |      |      |      |
| x = 2H y = 2H                                      | 29.8             | 31.1 | 30.1 | 31.3 | 31.4 | 29.8           | 31.1 | 30.0 | 31.2 | 31.4 |
| 3H                                                 | 30.1             | 31.3 | 30.4 | 31.5 | 31.7 | 30.0           | 31.2 | 30.3 | 31.4 | 31.6 |
| 4H                                                 | 30.1             | 31.2 | 30.4 | 31.5 | 31.7 | 30.1           | 31.2 | 30.4 | 31.4 | 31.7 |
| 6H                                                 | 30.1             | 31.2 | 30.5 | 31.4 | 31.7 | 30.1           | 31.1 | 30.4 | 31.4 | 31.6 |
| 8H                                                 | 30.1             | 31.1 | 30.5 | 31.4 | 31.7 | 30.1           | 31.1 | 30.4 | 31.3 | 31.6 |
| 12H                                                | 30.1             | 31.0 | 30.4 | 31.3 | 31.6 | 30.0           | 31.0 | 30.4 | 31.3 | 31.6 |
| 4H 2H                                              | 29.9             | 31.0 | 30.2 | 31.2 | 31.5 | 29.9           | 31.0 | 30.2 | 31.2 | 31.5 |
| 3H                                                 | 30.3             | 31.2 | 30.6 | 31.5 | 31.8 | 30.2           | 31.2 | 30.6 | 31.5 | 31.7 |
| 4H                                                 | 30.4             | 31.3 | 30.8 | 31.6 | 31.9 | 30.3           | 31.2 | 30.7 | 31.5 | 31.8 |
| 6H                                                 | 30.4             | 31.2 | 30.8 | 31.5 | 31.9 | 30.4           | 31.1 | 30.8 | 31.5 | 31.8 |
| 8H                                                 | 30.4             | 31.1 | 30.9 | 31.5 | 31.9 | 30.4           | 31.1 | 30.8 | 31.4 | 31.8 |
| 12H                                                | 30.4             | 31.1 | 30.8 | 31.4 | 31.8 | 30.4           | 31.0 | 30.8 | 31.4 | 31.8 |
| 8H 4H                                              | 30.4             | 31.1 | 30.8 | 31.4 | 31.8 | 30.3           | 31.0 | 30.7 | 31.4 | 31.7 |
| 6H                                                 | 30.5             | 31.0 | 30.9 | 31.4 | 31.9 | 30.4           | 31.0 | 30.8 | 31.4 | 31.8 |
| 8H                                                 | 30.5             | 31.0 | 30.9 | 31.4 | 31.9 | 30.4           | 30.9 | 30.9 | 31.3 | 31.8 |
| 12H                                                | 30.5             | 30.9 | 31.0 | 31.4 | 31.8 | 30.4           | 30.8 | 30.9 | 31.3 | 31.8 |
| 12H 4H                                             | 30.3             | 31.0 | 30.7 | 31.3 | 31.7 | 30.3           | 30.9 | 30.7 | 31.3 | 31.7 |
| 6H                                                 | 30.4             | 30.9 | 30.9 | 31.4 | 31.8 | 30.4           | 30.9 | 30.8 | 31.3 | 31.7 |
| 8H                                                 | 30.5             | 30.9 | 30.9 | 31.3 | 31.8 | 30.4           | 30.8 | 30.9 | 31.3 | 31.7 |
| Variations with the observer position at spacings: |                  |      |      |      |      |                |      |      |      |      |
| S = 1.0H                                           | + 0.9 / - 1.3    |      |      |      |      | + 1.0 / - 1.5  |      |      |      |      |
| 1.5H                                               | + 0.9 / - 0.7    |      |      |      |      | + 1.2 / - 0.9  |      |      |      |      |
| 2.0H                                               | + 1.8 / - 1.8    |      |      |      |      | + 1.9 / - 1.9  |      |      |      |      |

CIE Pub.117 Corrected 18702 lm Total Lamp Luminous Flux.(8log(F/F0) = 10.2)

C Range: 0 - 360DEG  
C Interval: 2.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-11-08

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:9.500m [K=1.0000]  
Remarks:

Checker: LI

Assessor:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## UTILIZATION FACTORS TABLE

| 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 71                                                   | 61  | 56        | 70  | 61  | 56  | 69  | 61            | 56  | 50     |
| 0.80                             | 80                                                   | 71  | 66        | 79  | 71  | 65  | 78  | 70            | 65  | 60     |
| 1.00                             | 88                                                   | 79  | 74        | 87  | 79  | 73  | 85  | 79            | 73  | 67     |
| 1.25                             | 94                                                   | 86  | 81        | 92  | 85  | 80  | 90  | 84            | 79  | 74     |
| 1.50                             | 98                                                   | 90  | 85        | 96  | 90  | 85  | 94  | 88            | 84  | 78     |
| 2.00                             | 103                                                  | 96  | 92        | 101 | 95  | 91  | 98  | 93            | 90  | 83     |
| 2.50                             | 105                                                  | 100 | 95        | 103 | 98  | 94  | 100 | 96            | 92  | 86     |
| 3.00                             | 108                                                  | 103 | 99        | 106 | 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 | 106 | 103           | 101 | 93     |
| ROOM INDEX                       | UF (total)                                           |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |                                                      |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

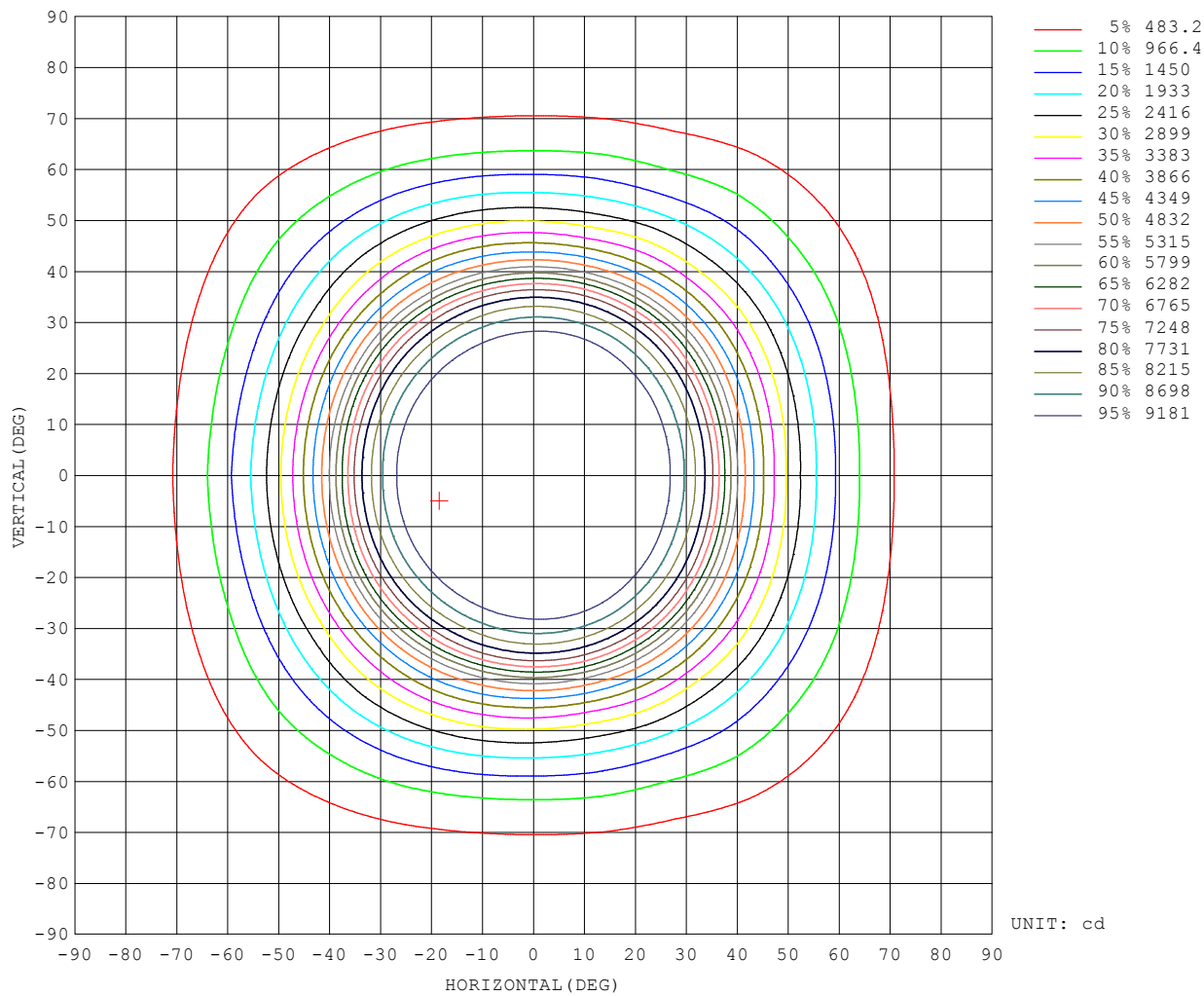
C Range: 0 - 360DEG  
 C Interval: 2.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2018-11-08

Checker: LI

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
 Humidity: 65.0%  
 Test Distance: 9.500m [K=1.0000]  
 Remarks:

Assessor:

ISOCANDELA DIAGRAM



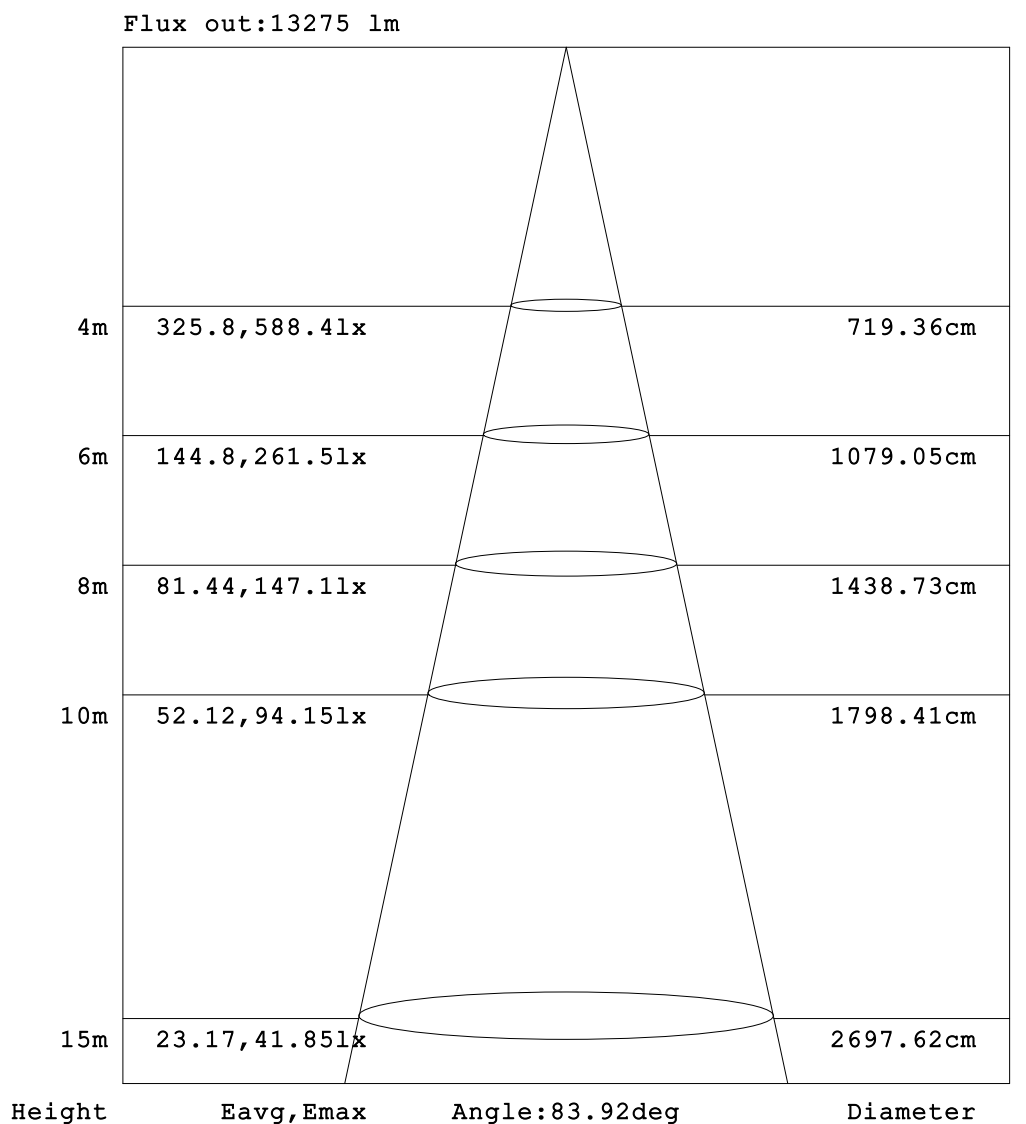
C Range: 0 - 360DEG  
C Interval: 2.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-11-08

Checker: LI

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:9.500m [K=1.0000]  
Remarks:

Assessor:

## AAI Figure



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

C Range: 0 - 360DEG  
C Interval: 2.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-11-08

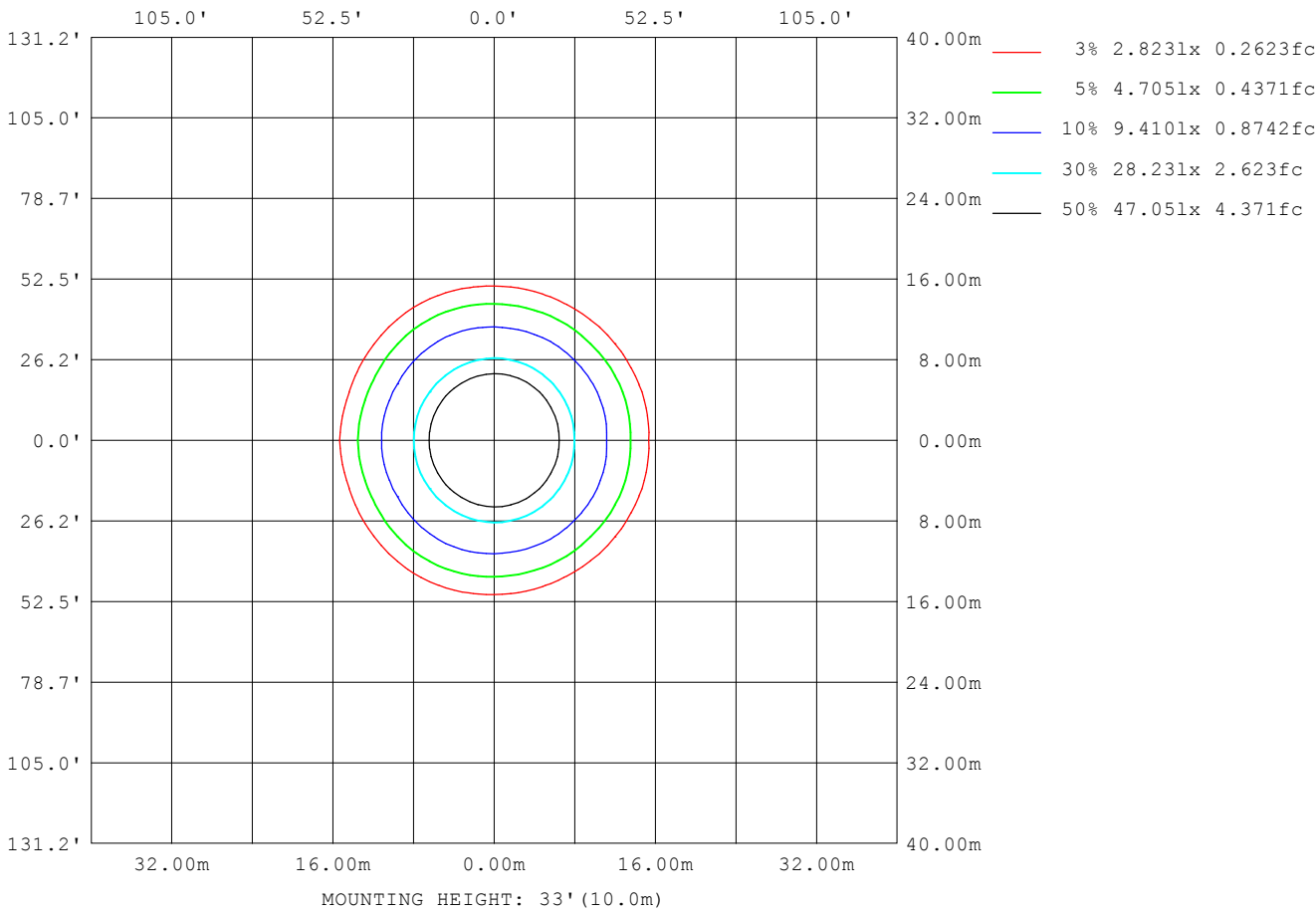
$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:9.500m [K=1.0000]  
Remarks:

Checker: LI

Assessor:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM



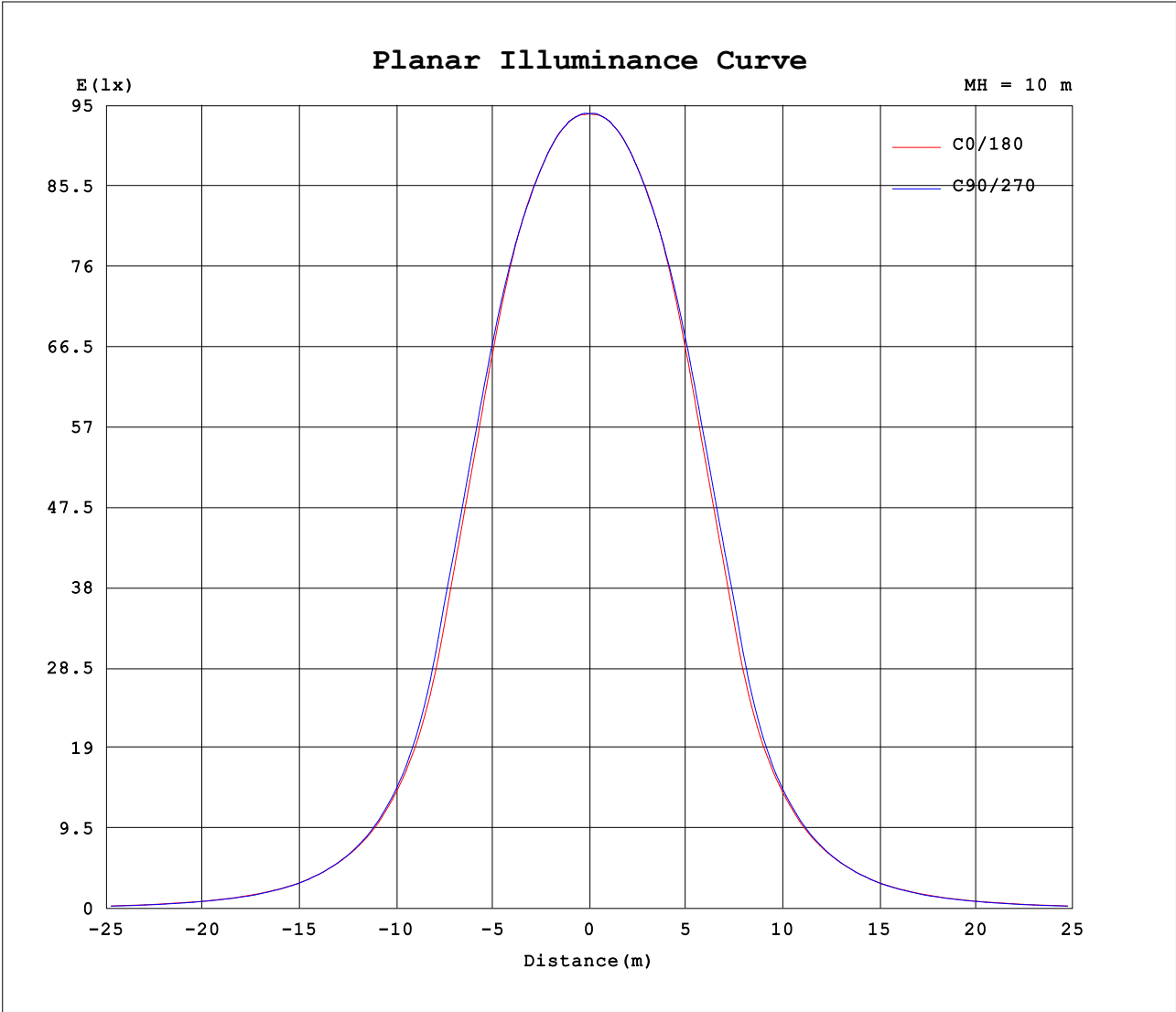
C Range: 0 - 360DEG  
C Interval: 2.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-11-08

Checker: LI

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:9.500m [K=1.0000]  
Remarks:

Assessor:

Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 2.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-11-08

Checker: LI

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:9.500m [K=1.0000]  
Remarks:

Assessor:

## EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## LUMINOUS DISTRIBUTION INTENSITY DATA

Table--1

UNIT: cd

[illegible]

C Range: 0 - 360DEG  
C Interval: 2.5DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2018-11-08

Checker: LI

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

```

Assessor:

## EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## LUMINOUS DISTRIBUTION INTENSITY DATA

Table--2

UNIT: cd

[illegible]

C Range: 0 - 360DEG  
C Interval: 2.5DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2018-11-08

Checker: LI

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

```

Assessor:

## EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## LUMINOUS DISTRIBUTION INTENSITY DATA

Table--3

UNIT: cd

[illegible]

C Range: 0 - 360DEG  
C Interval: 2.5DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2018-11-08

Checker: LI

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

```

Assessor:

## EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## LUMINOUS DISTRIBUTION INTENSITY DATA

Table--4

UNIT: cd

[illegible]

C Range: 0 - 360DEG  
C Interval: 2.5DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2018-11-08

Checker: LI

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

```

Assessor:

## EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## LUMINOUS DISTRIBUTION INTENSITY DATA

Table--5

UNIT: cd

[illegible]

C Range: 0 - 360DEG  
C Interval: 2.5DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2018-11-08

Checker: LI

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

```

Assessor:

## EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## LUMINOUS DISTRIBUTION INTENSITY DATA

Table--6

UNIT: cd

[illegible]

C Range: 0 - 360DEG  
C Interval: 2.5DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2018-11-08

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

```

Checker: LI

Assessor:

## EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## LUMINOUS DISTRIBUTION INTENSITY DATA

Table--7

UNIT: cd

[illegible]

C Range: 0 - 360DEG  
C Interval: 2.5DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2018-11-08

Checker: LI

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

```

Assessor:

## EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## LUMINOUS DISTRIBUTION INTENSITY DATA

Table--8

UNIT: cd

[illegible]

C Range: 0 - 360DEG  
C Interval: 2.5DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2018-11-08

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

```

Checker: LI

Assessor: