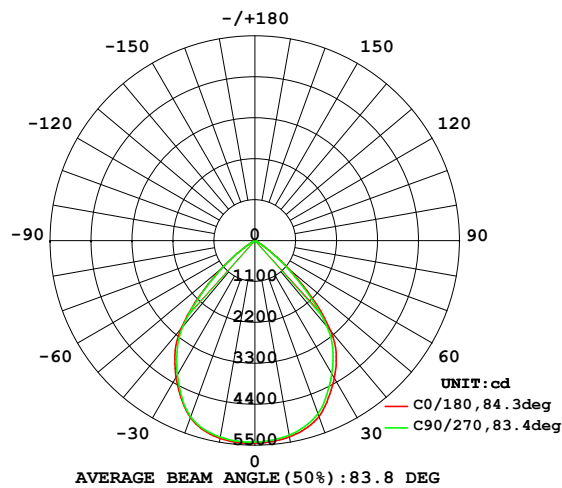


## LUMINAIRE PHOTOMETRIC TEST REPORT

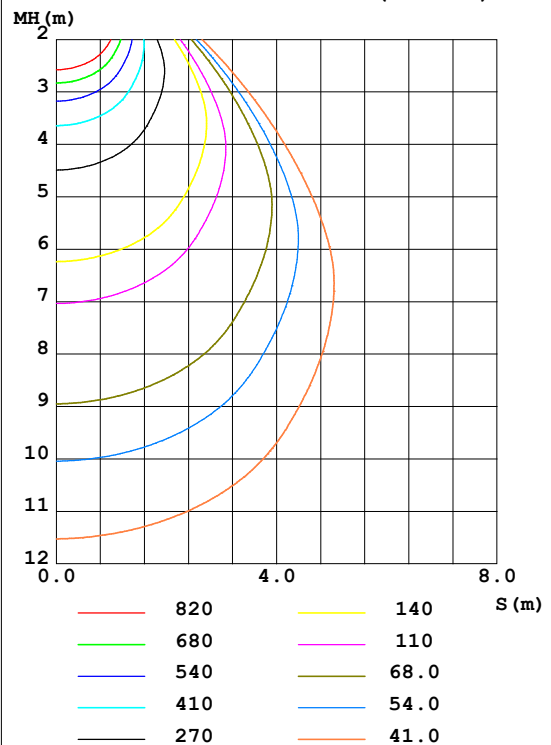
|                                                                   |                 |                   |
|-------------------------------------------------------------------|-----------------|-------------------|
| Test:U:220.8V I:0.4494A P:97.80W PF:0.9858 Lamp Flux:8645.07x1 lm |                 |                   |
| NAME: BT-TH100W                                                   | TYPE:5000k      | WEIGHT:2870g      |
| SPEC.:90D                                                         | DIM.: 355*325mm | SERIAL No.:       |
| MFR.: EVERFINE                                                    | SUR.:           | PROTECTION ANGLE: |

| DATA OF LAMP     |         | PHOTOMETRIC DATA      |        |                   |          | Eff: 88.40 lm/W |
|------------------|---------|-----------------------|--------|-------------------|----------|-----------------|
| MODEL            | SMD3030 | I <sub>max</sub> (cd) | 5449   | S/MH(C0/180)      | 1.17     |                 |
| NOMINAL POWER(W) | 100     | LOR(%)                | 100.0  | S/MH(C90/270)     | 1.16     |                 |
| RATED VOLTAGE(V) | 220     | TOTAL FLUX(lm)        | 8645.1 | η UP,DN(C0-180)   | 0.5,49.5 |                 |
| NOMINAL FLUX(lm) | 8645.07 | CIE CLASS             | DIRECT | η UP,DN(C180-360) | 0.4,49.6 |                 |
| LAMPS INSIDE     | 1       | η up(%)               | 0.9    | CIBSE SHR NOM     | 1.25     |                 |
| TEST VOLTAGE(V)  | 220     | η down(%)             | 99.1   | CIBSE SHR MAX     | 1.25     |                 |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:30DEG  
 Operators:VISION  
 Test Date:2015-6-19

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.284  
 Humidity:65.0%  
 Test Distance:9.256m [K=1.0000]  
 Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

| $\gamma$ | C0                                                             | C90   | C180  | C270  |  |  |  |  | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum, lamp |
|----------|----------------------------------------------------------------|-------|-------|-------|--|--|--|--|----------|-------------|--------------|------------|
| 10       | 5355                                                           | 5307  | 5396  | 5363  |  |  |  |  | 0- 10    | 514.8       | 514.8        | 5.96, 5.96 |
| 20       | 5031                                                           | 4951  | 5065  | 5042  |  |  |  |  | 10- 20   | 1475        | 1990         | 23, 23     |
| 30       | 4270                                                           | 4138  | 4249  | 4171  |  |  |  |  | 20- 30   | 2134        | 4124         | 47.7, 47.7 |
| 40       | 3169                                                           | 3021  | 3090  | 3012  |  |  |  |  | 30- 40   | 2308        | 6433         | 74.4, 74.4 |
| 50       | 1210                                                           | 1124  | 1187  | 1147  |  |  |  |  | 40- 50   | 1610        | 8043         | 93, 93     |
| 60       | 102.1                                                          | 75.89 | 103.6 | 84.86 |  |  |  |  | 50- 60   | 457.3       | 8500         | 98.3, 98.3 |
| 70       | 21.29                                                          | 16.85 | 26.02 | 18.19 |  |  |  |  | 60- 70   | 41.96       | 8542         | 98.8, 98.8 |
| 80       | 11.79                                                          | 9.749 | 13.20 | 10.14 |  |  |  |  | 70- 80   | 15.66       | 8558         | 99, 99     |
| 90       | 9.246                                                          | 9.063 | 8.144 | 7.035 |  |  |  |  | 80- 90   | 10.26       | 8568         | 99.1, 99.1 |
| 100      | 10.16                                                          | 10.16 | 9.501 | 7.870 |  |  |  |  | 90-100   | 9.777       | 8578         | 99.2, 99.2 |
| 110      | 10.77                                                          | 10.68 | 10.73 | 8.351 |  |  |  |  | 100-110  | 10.36       | 8588         | 99.3, 99.3 |
| 120      | 12.16                                                          | 11.91 | 11.27 | 9.257 |  |  |  |  | 110-120  | 10.49       | 8599         | 99.5, 99.5 |
| 130      | 14.35                                                          | 14.09 | 12.65 | 10.74 |  |  |  |  | 120-130  | 10.75       | 8609         | 99.6, 99.6 |
| 140      | 16.71                                                          | 16.53 | 14.44 | 12.66 |  |  |  |  | 130-140  | 10.85       | 8620         | 99.7, 99.7 |
| 150      | 17.84                                                          | 17.77 | 16.24 | 14.45 |  |  |  |  | 140-150  | 9.930       | 8630         | 99.8, 99.8 |
| 160      | 18.77                                                          | 18.79 | 17.44 | 15.64 |  |  |  |  | 150-160  | 7.942       | 8638         | 99.9, 99.9 |
| 170      | 19.38                                                          | 19.45 | 18.38 | 16.65 |  |  |  |  | 160-170  | 5.107       | 8643         | 100, 100   |
| 180      | 19.87                                                          | 19.84 | 19.99 | 18.27 |  |  |  |  | 170-180  | 1.797       | 8645         | 100, 100   |
| DEG      | LUMINOUS INTENSITY:cd MAX  (Ii - Iavg)/Iavg  (0-135) = 237.2 % |       |       |       |  |  |  |  |          | UNIT:lm     |              |            |

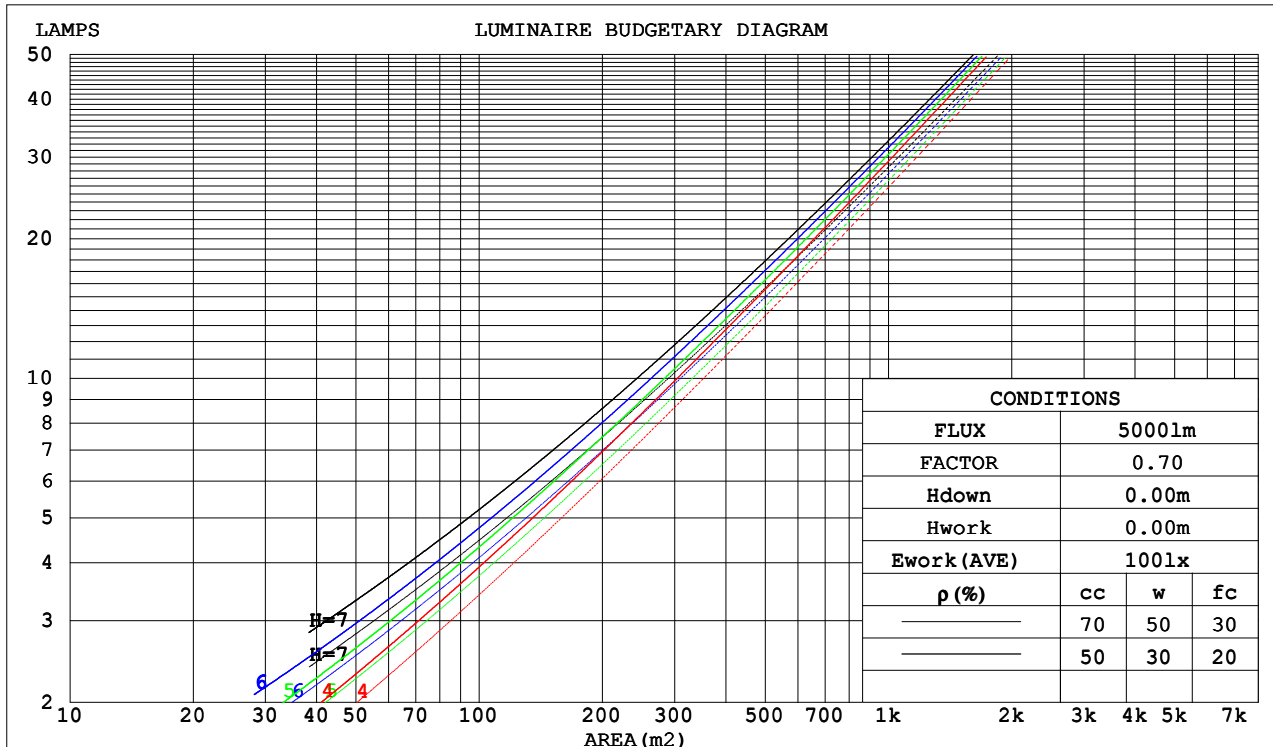
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 30DEG  
 Operators: VISION  
 Test Date: 2015-6-19

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.284  
 Humidity: 65.0%  
 Test Distance: 9.256m [K=1.0000]  
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|                                                                   |                 |                   |
|-------------------------------------------------------------------|-----------------|-------------------|
| Test:U:220.8V I:0.4494A P:97.80W PF:0.9858 Lamp Flux:8645.07x1 lm |                 |                   |
| NAME: BT-TH100W                                                   | TYPE:5000k      | WEIGHT:2870g      |
| SPEC.:90D                                                         | DIM.: 355*325mm | SERIAL No.:       |
| MFR.: EVERFINE                                                    | SUR.:           | PROTECTION ANGLE: |

| pcc  | 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                      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 | 1.01 | 1.01 | 1.01 | .99 |
| 1.0  | 1.09                                                                       | 1.06 | 1.04 | 1.07 | 1.04 | 1.02 | 1.03 | 1.00 | .99  | .99  | .97  | .95  | .95  | .94  | .93  | .91 |
| 2.0  | .00                                                                        | .95  | .91  | .98  | .94  | .90  | .94  | .91  | .88  | .91  | .88  | .86  | .88  | .86  | .84  | .82 |
| 3.0  | .91                                                                        | .85  | .81  | .90  | .84  | .80  | .87  | .82  | .78  | .84  | .80  | .77  | .82  | .78  | .76  | .74 |
| 4.0  | .83                                                                        | .77  | .72  | .82  | .76  | .71  | .80  | .75  | .70  | .78  | .73  | .69  | .76  | .72  | .69  | .67 |
| 5.0  | .77                                                                        | .70  | .65  | .76  | .69  | .64  | .74  | .68  | .64  | .72  | .67  | .63  | .70  | .66  | .62  | .60 |
| 6.0  | .70                                                                        | .63  | .58  | .70  | .63  | .58  | .68  | .62  | .58  | .66  | .61  | .57  | .65  | .60  | .57  | .55 |
| 7.0  | .65                                                                        | .58  | .53  | .64  | .58  | .53  | .63  | .57  | .52  | .61  | .56  | .52  | .60  | .55  | .52  | .50 |
| 8.0  | .60                                                                        | .53  | .48  | .60  | .53  | .48  | .58  | .52  | .48  | .57  | .52  | .48  | .56  | .51  | .47  | .46 |
| 9.0  | .56                                                                        | .49  | .44  | .55  | .49  | .44  | .54  | .48  | .44  | .53  | .48  | .44  | .52  | .47  | .44  | .42 |
| 10.0 | .52                                                                        | .45  | .41  | .52  | .45  | .41  | .51  | .45  | .41  | .50  | .44  | .40  | .49  | .44  | .40  | .39 |



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:30DEG  
Operators:VISION  
Test Date:2015-6-19

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.284  
Humidity:65.0%  
Test Distance:9.256m [K=1.0000]  
Remarks:

### WEC AND CCEC

|                                                                   |  |  |  |  |                 |  |  |  |  |                   |  |  |  |  |
|-------------------------------------------------------------------|--|--|--|--|-----------------|--|--|--|--|-------------------|--|--|--|--|
| Test:U:220.8V I:0.4494A P:97.80W PF:0.9858 Lamp Flux:8645.07x1 lm |  |  |  |  |                 |  |  |  |  |                   |  |  |  |  |
| NAME: BT-TH100W                                                   |  |  |  |  | TYPE:5000k      |  |  |  |  | WEIGHT:2870g      |  |  |  |  |
| SPEC.:90D                                                         |  |  |  |  | DIM.: 355*325mm |  |  |  |  | SERIAL No.:       |  |  |  |  |
| MFR.: EVERFINE                                                    |  |  |  |  | SUR.:           |  |  |  |  | PROTECTION ANGLE: |  |  |  |  |

| 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  | .206                  | .117 | .037 | .199 | .114 | .036 | .186                             | .107 | .034 | .174 | .100 | .032 | .163 | .094 | .030 |   |  |
| 2.0  | .201                  | .110 | .034 | .195 | .107 | .033 | .184                             | .102 | .032 | .173 | .097 | .030 | .164 | .092 | .029 |   |  |
| 3.0  | .193                  | .103 | .031 | .188 | .101 | .030 | .178                             | .097 | .029 | .169 | .093 | .028 | .161 | .089 | .027 |   |  |
| 4.0  | .185                  | .096 | .028 | .180 | .094 | .028 | .171                             | .091 | .027 | .163 | .088 | .026 | .156 | .085 | .026 |   |  |
| 5.0  | .176                  | .090 | .026 | .172 | .088 | .026 | .164                             | .086 | .025 | .157 | .083 | .025 | .151 | .080 | .024 |   |  |
| 6.0  | .168                  | .084 | .024 | .164 | .083 | .024 | .157                             | .081 | .023 | .151 | .078 | .023 | .145 | .076 | .023 |   |  |
| 7.0  | .160                  | .079 | .022 | .157 | .078 | .022 | .151                             | .076 | .022 | .145 | .074 | .022 | .140 | .072 | .021 |   |  |
| 8.0  | .152                  | .075 | .021 | .150 | .074 | .021 | .144                             | .072 | .021 | .139 | .070 | .020 | .134 | .069 | .020 |   |  |
| 9.0  | .145                  | .070 | .020 | .143 | .070 | .020 | .138                             | .068 | .019 | .133 | .067 | .019 | .129 | .065 | .019 |   |  |
| 10.0 | .139                  | .067 | .018 | .137 | .066 | .018 | .132                             | .065 | .018 | .128 | .063 | .018 | .124 | .062 | .018 |   |  |

| 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 Ceiling Cavity Exitance Coefficients(CCEC) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |
| 0.0  | .197                                                             | .197 | .197 | .169 | .169 | .169 | .115 | .115 | .115 | .066 | .066 | .066 | .021 | .021 | .021 |   |
| 1.0  | .180                                                             | .164 | .149 | .154 | .141 | .129 | .105 | .097 | .089 | .061 | .056 | .052 | .019 | .018 | .017 |   |
| 2.0  | .167                                                             | .139 | .116 | .143 | .120 | .100 | .098 | .083 | .070 | .057 | .048 | .041 | .018 | .016 | .013 |   |
| 3.0  | .157                                                             | .121 | .092 | .134 | .104 | .080 | .092 | .072 | .056 | .053 | .042 | .033 | .017 | .014 | .011 |   |
| 4.0  | .148                                                             | .107 | .075 | .127 | .092 | .065 | .087 | .064 | .046 | .050 | .038 | .027 | .016 | .012 | .009 |   |
| 5.0  | .140                                                             | .095 | .062 | .121 | .083 | .054 | .083 | .058 | .038 | .048 | .034 | .023 | .016 | .011 | .007 |   |
| 6.0  | .134                                                             | .087 | .053 | .115 | .075 | .046 | .079 | .052 | .032 | .046 | .031 | .019 | .015 | .010 | .006 |   |
| 7.0  | .128                                                             | .079 | .046 | .110 | .069 | .040 | .076 | .048 | .028 | .044 | .028 | .017 | .014 | .009 | .006 |   |
| 8.0  | .122                                                             | .073 | .040 | .105 | .064 | .035 | .073 | .045 | .025 | .042 | .026 | .015 | .014 | .009 | .005 |   |
| 9.0  | .117                                                             | .069 | .036 | .101 | .059 | .031 | .070 | .042 | .022 | .041 | .025 | .013 | .013 | .008 | .004 |   |
| 10.0 | .113                                                             | .064 | .032 | .097 | .056 | .028 | .067 | .039 | .020 | .039 | .023 | .012 | .013 | .008 | .004 |   |

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:30DEG  
Operators:VISION  
Test Date:2015-6-19

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.284  
Humidity:65.0%  
Test Distance:9.256m [K=1.0000]  
Remarks:

### UGR(Unified Glare Rating) Table

|                                                                   |                  |      |      |      |                 |                |      |                   |      |      |
|-------------------------------------------------------------------|------------------|------|------|------|-----------------|----------------|------|-------------------|------|------|
| Test:U:220.8V I:0.4494A P:97.80W PF:0.9858 Lamp Flux:8645.07x1 lm |                  |      |      |      |                 |                |      |                   |      |      |
| NAME: BT-TH100W                                                   |                  |      |      |      | TYPE:5000k      |                |      | WEIGHT:2870g      |      |      |
| SPEC.:90D                                                         |                  |      |      |      | DIM.: 355*325mm |                |      | SERIAL No.:       |      |      |
| MFR.: EVERFINE                                                    |                  |      |      |      | SUR.:           |                |      | PROTECTION ANGLE: |      |      |
| 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                                                     | 25.7             | 26.9 | 26.0 | 27.1 | 27.3            | 25.5           | 26.7 | 25.8              | 26.9 | 27.1 |
| 3H                                                                | 25.6             | 26.6 | 25.8 | 26.8 | 27.1            | 25.4           | 26.4 | 25.6              | 26.6 | 26.9 |
| 4H                                                                | 25.5             | 26.5 | 25.8 | 26.7 | 26.9            | 25.3           | 26.2 | 25.6              | 26.5 | 26.7 |
| 6H                                                                | 25.4             | 26.3 | 25.7 | 26.6 | 26.8            | 25.2           | 26.1 | 25.5              | 26.4 | 26.6 |
| 8H                                                                | 25.3             | 26.2 | 25.7 | 26.5 | 26.8            | 25.1           | 26.0 | 25.5              | 26.3 | 26.6 |
| 12H                                                               | 25.3             | 26.1 | 25.6 | 26.4 | 26.7            | 25.1           | 25.9 | 25.4              | 26.2 | 26.5 |
| 4H 2H                                                             | 25.5             | 26.5 | 25.8 | 26.7 | 27.0            | 25.3           | 26.3 | 25.6              | 26.5 | 26.8 |
| 3H                                                                | 25.3             | 26.2 | 25.7 | 26.4 | 26.7            | 25.1           | 26.0 | 25.5              | 26.2 | 26.5 |
| 4H                                                                | 25.2             | 26.0 | 25.6 | 26.3 | 26.6            | 25.0           | 25.8 | 25.4              | 26.1 | 26.4 |
| 6H                                                                | 25.1             | 25.8 | 25.5 | 26.1 | 26.5            | 24.9           | 25.6 | 25.3              | 25.9 | 26.3 |
| 8H                                                                | 25.1             | 25.7 | 25.5 | 26.1 | 26.5            | 24.9           | 25.5 | 25.3              | 25.9 | 26.3 |
| 12H                                                               | 25.0             | 25.6 | 25.5 | 26.0 | 26.4            | 24.8           | 25.4 | 25.3              | 25.8 | 26.2 |
| 8H 4H                                                             | 25.1             | 25.7 | 25.5 | 26.1 | 26.5            | 24.9           | 25.5 | 25.3              | 25.9 | 26.2 |
| 6H                                                                | 25.0             | 25.5 | 25.4 | 25.9 | 26.3            | 24.8           | 25.3 | 25.2              | 25.7 | 26.1 |
| 8H                                                                | 24.9             | 25.4 | 25.4 | 25.8 | 26.3            | 24.7           | 25.2 | 25.2              | 25.6 | 26.1 |
| 12H                                                               | 24.9             | 25.3 | 25.4 | 25.7 | 26.2            | 24.7           | 25.1 | 25.2              | 25.5 | 26.0 |
| 12H 4H                                                            | 25.0             | 25.6 | 25.5 | 26.0 | 26.4            | 24.8           | 25.4 | 25.3              | 25.8 | 26.2 |
| 6H                                                                | 24.9             | 25.4 | 25.4 | 25.8 | 26.3            | 24.7           | 25.2 | 25.2              | 25.6 | 26.1 |
| 8H                                                                | 24.9             | 25.3 | 25.4 | 25.7 | 26.2            | 24.7           | 25.1 | 25.2              | 25.5 | 26.0 |
| Variations with the observer position at spacings:                |                  |      |      |      |                 |                |      |                   |      |      |
| S = 1.0H                                                          | + 2.4 / - 9.1    |      |      |      |                 | + 2.5 / - 9.6  |      |                   |      |      |
| 1.5H                                                              | + 2.4 / - 6.1    |      |      |      |                 | + 2.4 / - 6.1  |      |                   |      |      |
| 2.0H                                                              | + 5.6 / -13.5    |      |      |      |                 | + 5.6 / -13.9  |      |                   |      |      |

CIE Pub.117 Corrected 8645 lm Total Lamp Luminous Flux. (8log(F/F0) = 7.5)

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:30DEG  
Operators:VISION  
Test Date:2015-6-19

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.284  
Humidity:65.0%  
Test Distance:9.256m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

|                                                                   |                 |                   |
|-------------------------------------------------------------------|-----------------|-------------------|
| Test:U:220.8V I:0.4494A P:97.80W PF:0.9858 Lamp Flux:8645.07x1 lm |                 |                   |
| NAME: BT-TH100W                                                   | TYPE:5000k      | WEIGHT:2870g      |
| SPEC.:90D                                                         | DIM.: 355*325mm | SERIAL No.:       |
| MFR.: EVERFINE                                                    | SUR.:           | PROTECTION ANGLE: |

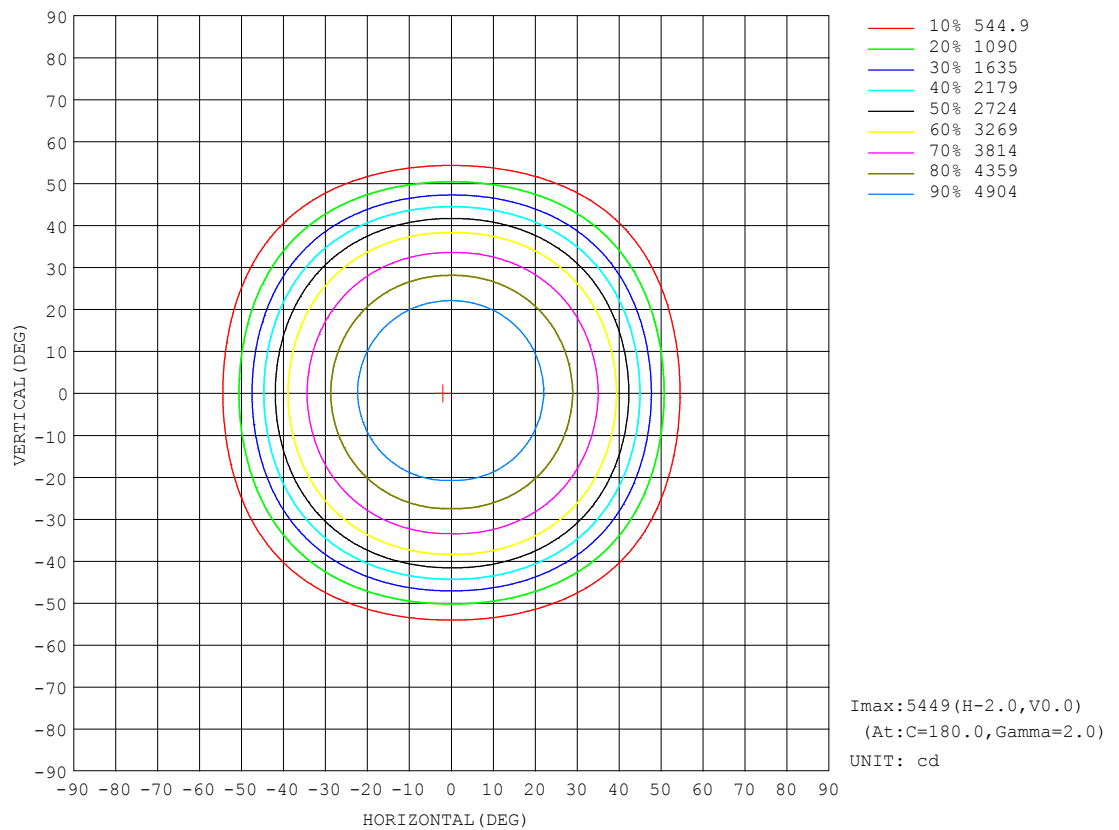
| REFLECTANCE                      |                                                      |     |           |     |     |     |     |               |     |        |
|----------------------------------|------------------------------------------------------|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| 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                         | 75                                                   | 67  | 61        | 74  | 66  | 61  | 73  | 66            | 61  | 56     |
| 0.80                             | 85                                                   | 77  | 71        | 84  | 76  | 71  | 82  | 75            | 71  | 66     |
| 1.00                             | 92                                                   | 84  | 79        | 91  | 84  | 79  | 89  | 84            | 78  | 73     |
| 1.25                             | 97                                                   | 90  | 86        | 96  | 90  | 85  | 94  | 88            | 85  | 79     |
| 1.50                             | 101                                                  | 95  | 90        | 99  | 94  | 90  | 97  | 92            | 89  | 83     |
| 2.00                             | 105                                                  | 100 | 96        | 103 | 99  | 95  | 100 | 96            | 93  | 87     |
| 2.50                             | 107                                                  | 102 | 99        | 105 | 101 | 98  | 102 | 98            | 96  | 89     |
| 3.00                             | 109                                                  | 105 | 101       | 107 | 103 | 100 | 104 | 101           | 98  | 91     |
| 4.00                             | 111                                                  | 108 | 105       | 109 | 106 | 104 | 105 | 103           | 101 | 93     |
| 5.00                             | 113                                                  | 110 | 107       | 111 | 108 | 106 | 106 | 104           | 102 | 94     |
| ROOM INDEX                       | UF (total)                                           |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |                                                      |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:30DEG  
Operators:VISION  
Test Date:2015-6-19

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.284  
Humidity:65.0%  
Test Distance:9.256m [K=1.0000]  
Remarks:

# ISOCANDELA DIAGRAM

|                                                                   |                 |                   |
|-------------------------------------------------------------------|-----------------|-------------------|
| Test:U:220.8V I:0.4494A P:97.80W PF:0.9858 Lamp Flux:8645.07x1 lm |                 |                   |
| NAME: BT-TH100W                                                   | TYPE:5000k      | WEIGHT:2870g      |
| SPEC.:90D                                                         | DIM.: 355*325mm | SERIAL No.:       |
| MFR.: EVERFINE                                                    | SUR.:           | PROTECTION ANGLE: |

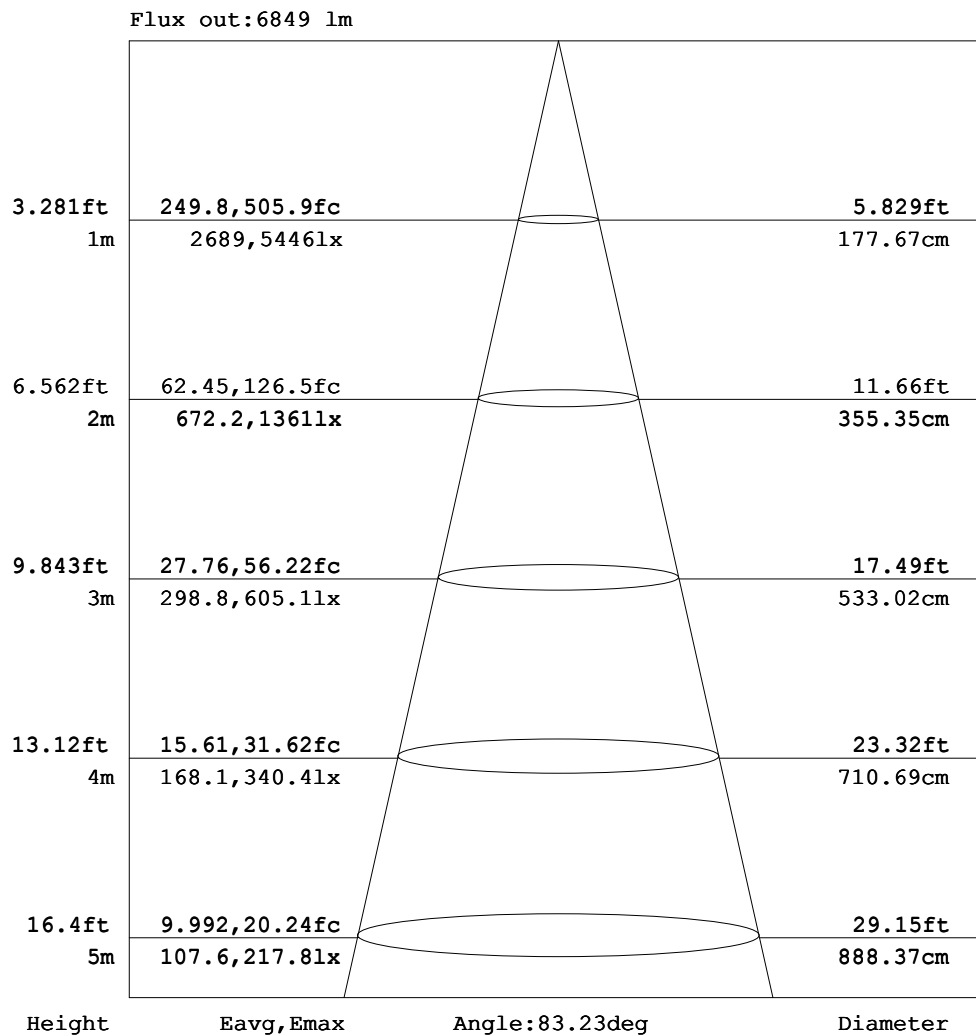


C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:30DEG  
Operators:VISION  
Test Date:2015-6-19

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.284  
Humidity:65.0%  
Test Distance:9.256m [K=1.0000]  
Remarks:

### AAI Figure

|                                                                   |                 |                   |
|-------------------------------------------------------------------|-----------------|-------------------|
| Test:U:220.8V I:0.4494A P:97.80W PF:0.9858 Lamp Flux:8645.07x1 lm |                 |                   |
| NAME: BT-TH100W                                                   | TYPE:5000k      | WEIGHT:2870g      |
| SPEC.:90D                                                         | DIM.: 355*325mm | SERIAL No.:       |
| MFR.: EVERFINE                                                    | SUR.:           | PROTECTION ANGLE: |



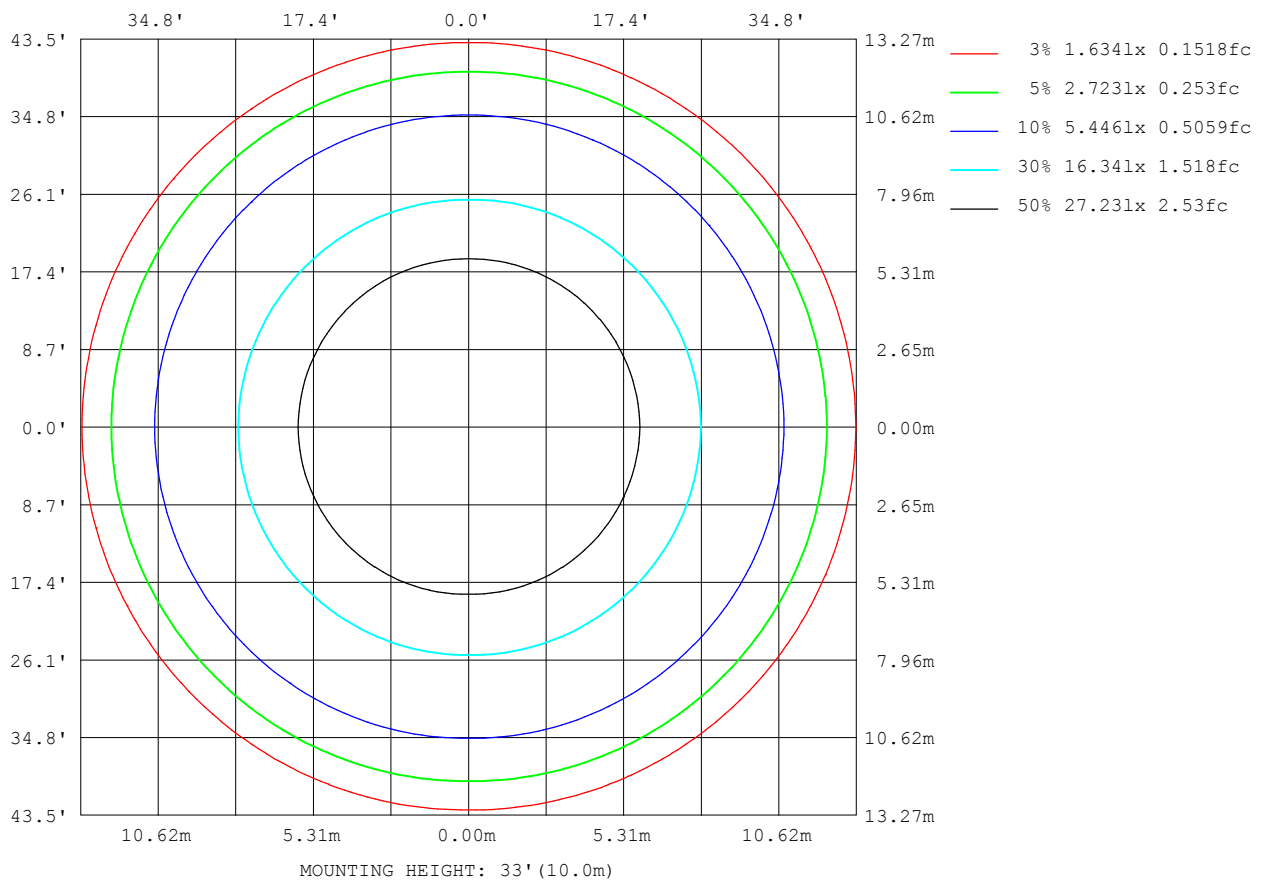
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:30DEG  
Operators:VISION  
Test Date:2015-6-19

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.284  
Humidity:65.0%  
Test Distance:9.256m [K=1.0000]  
Remarks:

# ISOLUX DIAGRAM

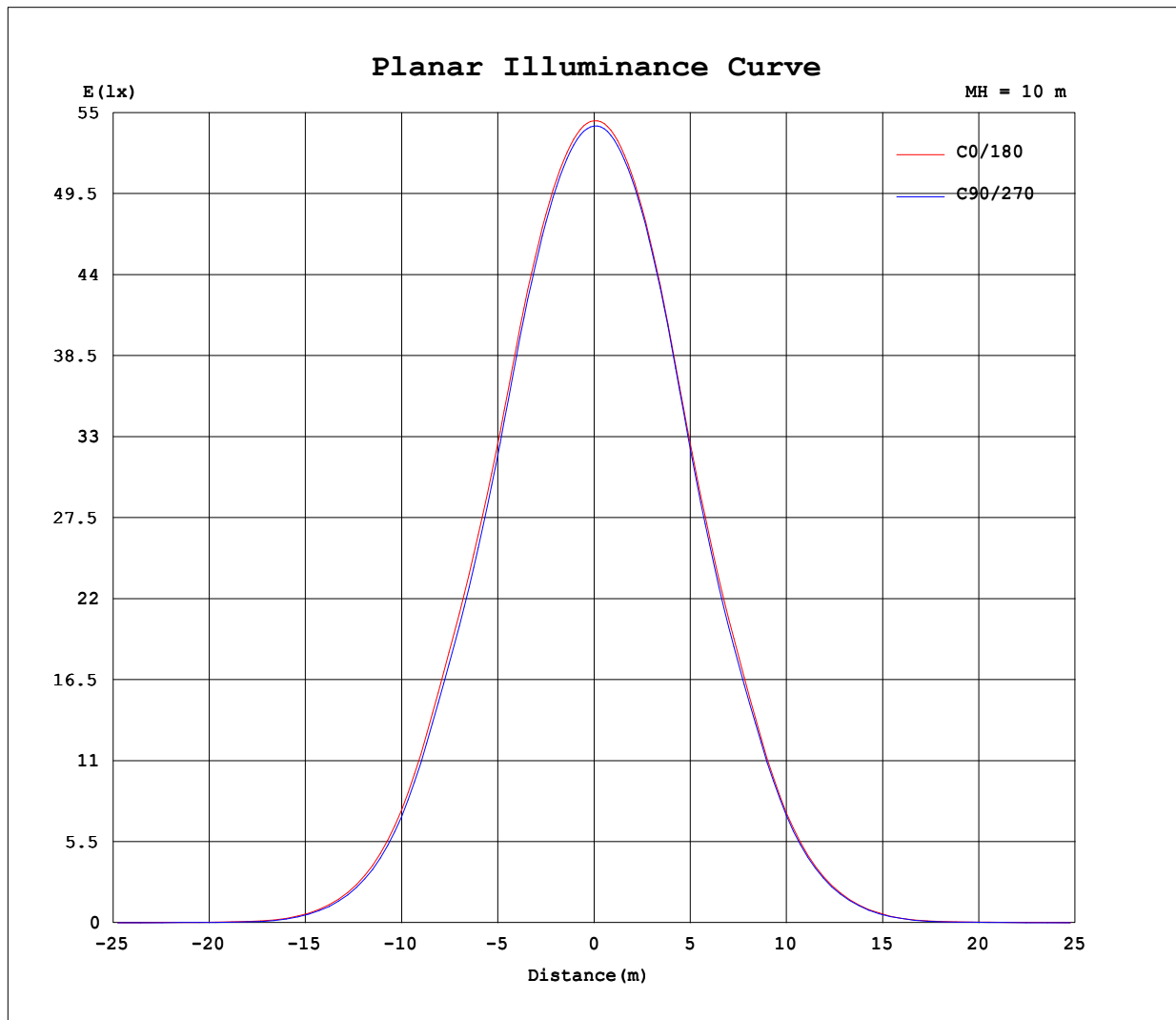
|                                                                   |                 |                   |
|-------------------------------------------------------------------|-----------------|-------------------|
| Test:U:220.8V I:0.4494A P:97.80W PF:0.9858 Lamp Flux:8645.07x1 lm |                 |                   |
| NAME: BT-TH100W                                                   | TYPE:5000k      | WEIGHT:2870g      |
| SPEC.:90D                                                         | DIM.: 355*325mm | SERIAL No.:       |
| MFR.: EVERFINE                                                    | SUR.:           | PROTECTION ANGLE: |



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:30DEG  
Operators:VISION  
Test Date:2015-6-19

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.284  
Humidity:65.0%  
Test Distance:9.256m [K=1.0000]  
Remarks:

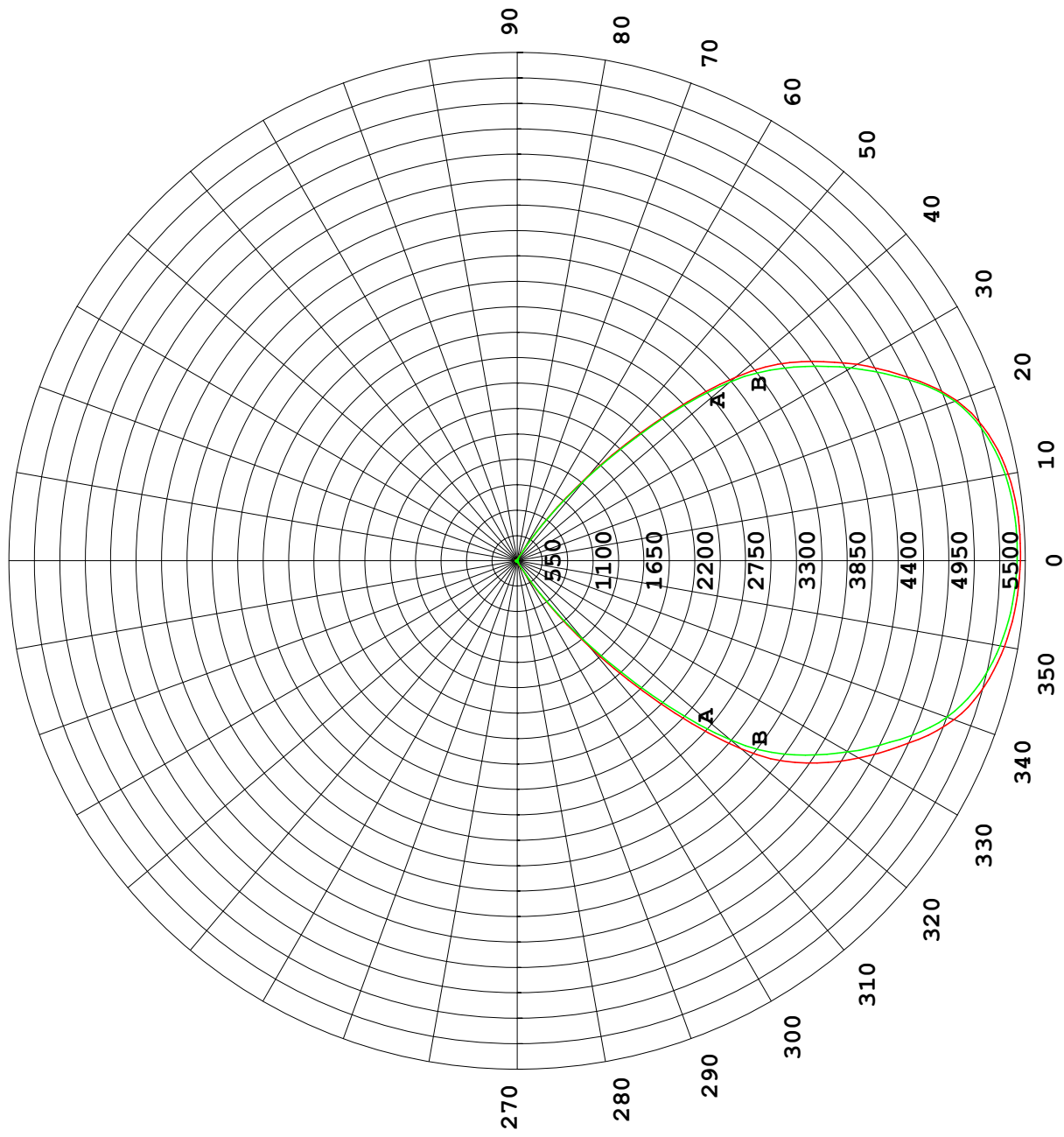
## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 30DEG  
Operators: VISION  
Test Date: 2015-6-19

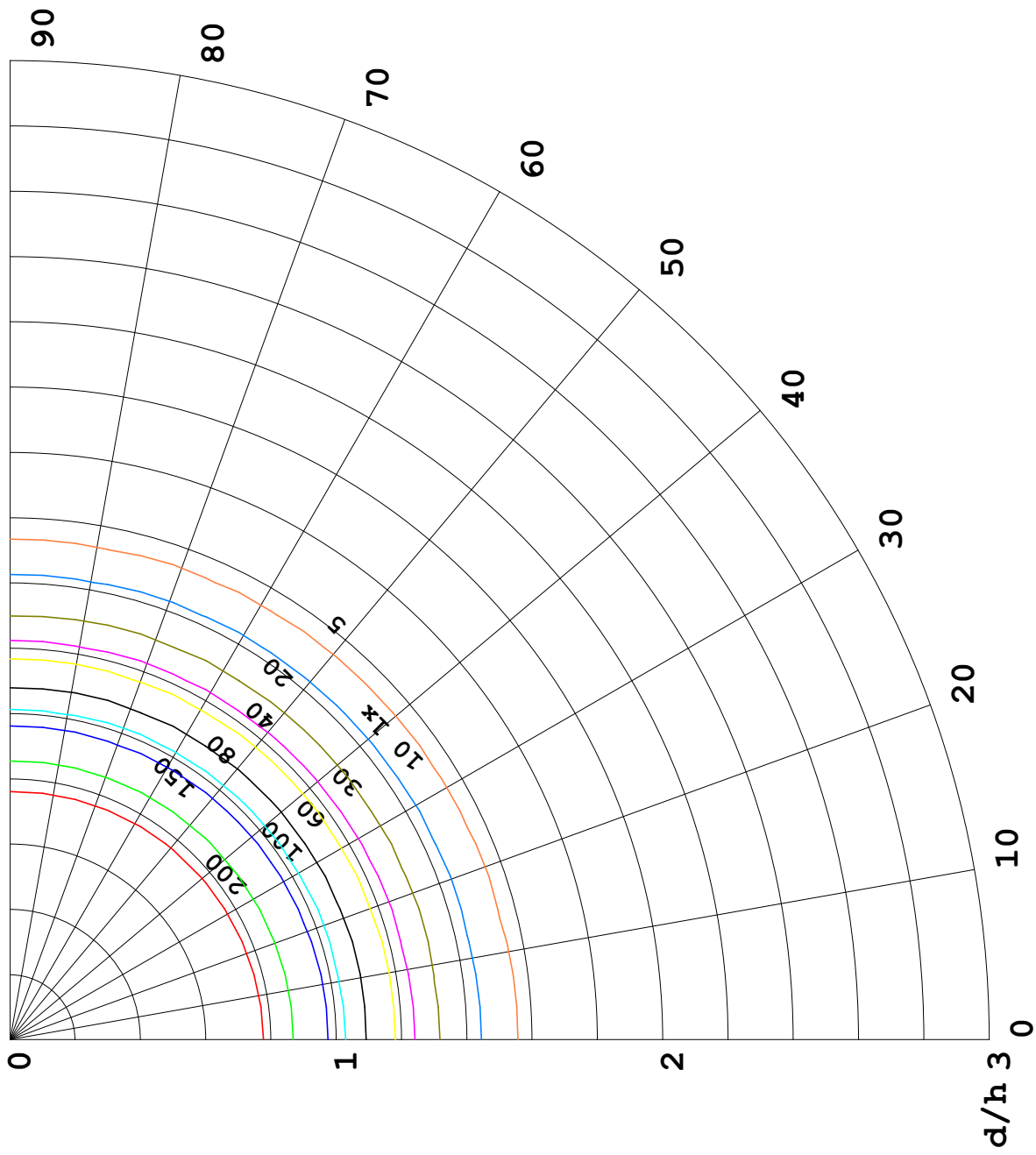
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.284  
Humidity: 65.0%  
Test Distance: 9.256m [K=1.0000]  
Remarks:

I (cd)



$\kappa = 1$

1000 lm



F = 5000 lm  
K = 0.7  
Hcc = 0.0 m  
Hfc = 0.0 m  
Eave = 100 lx

|       | Pcc | Pw | Pfc |
|-------|-----|----|-----|
| ————— | 70  | 50 | 30  |
| ————— | 50  | 30 | 20  |

