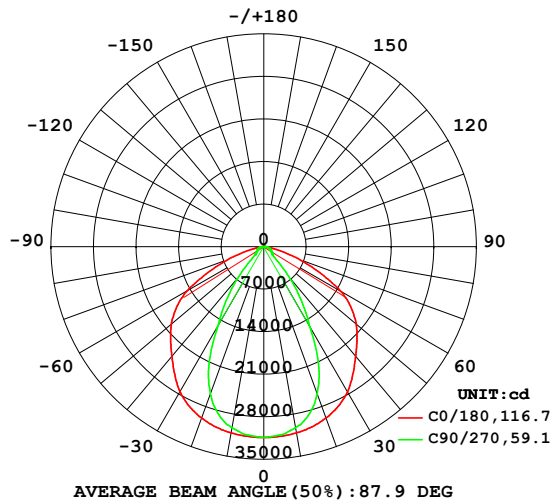


## LUMINAIRE PHOTOMETRIC TEST REPORT

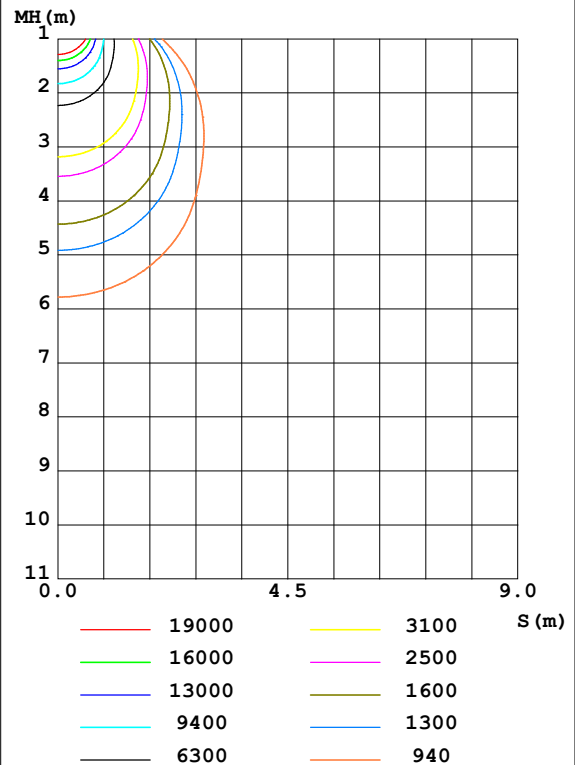
|                                                                |                         |                  |
|----------------------------------------------------------------|-------------------------|------------------|
| Test:U:229.8V I:1.736A P:393.0W PF:0.9855 Lamp Flux:50011x1 lm |                         |                  |
| NAME: LHB03-400                                                | TYPE:400W               | WEIGHT:          |
| SPEC.:5000K Ra80 60120DEG L00302                               | DIM.: 0.906*0.307*0.061 | SERIAL No.:      |
| MFR.:                                                          | SUR.:0.855*0.27         | Shielding Angle: |

| DATA OF LAMP     |           | PHOTOMETRIC DATA Eff: 127.25 lm/W |        |                    |          |
|------------------|-----------|-----------------------------------|--------|--------------------|----------|
| MODEL            | LHB03-400 | I <sub>max</sub> (cd)             | 31410  | S/MH (C0/180)      | 1.29     |
| NOMINAL POWER(W) | 400       | LOR(%)                            | 100.0  | S/MH (C90/270)     | 0.90     |
| RATED VOLTAGE(V) | 230       | TOTAL FLUX(lm)                    | 50011  | η UP,DN (C0-180)   | 0.0,49.9 |
| NOMINAL FLUX(lm) | 50011     | CIE CLASS                         | DIRECT | η UP,DN (C180-360) | 0.0,50.1 |
| LAMPS INSIDE     | 1         | η up (%)                          | 0.0    | CIBSE SHR NOM      | 1.00     |
| TEST VOLTAGE (V) | 230       | η down (%)                        | 100.0  | CIBSE SHR MAX      | 1.00     |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2017-07-03

Checker:

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:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

| $\gamma$ | C0                       | C45   | C90   | C135  | C180  | C225  | C270  | C315  | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum, lamp |
|----------|--------------------------|-------|-------|-------|-------|-------|-------|-------|----------|-------------|--------------|------------|
| 5        | 3132                     | 3115  | 3110  | 3115  | 3132  | 3115  | 3110  | 3115  | 0- 5     | 747.3       | 747.3        | 1.49,1.49  |
| 10       | 3111                     | 3065  | 3023  | 3065  | 3111  | 3065  | 3023  | 3065  | 5- 10    | 2212        | 2959         | 5.92,5.92  |
| 15       | 3070                     | 2970  | 2863  | 2970  | 3070  | 2971  | 2863  | 2971  | 10- 15   | 3581        | 6540         | 13.1,13.1  |
| 20       | 3000                     | 2815  | 2571  | 2815  | 3000  | 2816  | 2571  | 2816  | 15- 20   | 4757        | 11297        | 22.6,22.6  |
| 25       | 2900                     | 2562  | 2139  | 2562  | 2900  | 2562  | 2139  | 2562  | 20- 25   | 5603        | 16900        | 33.8,33.8  |
| 30       | 2758                     | 2169  | 1512  | 2169  | 2758  | 2176  | 1512  | 2176  | 25- 30   | 5951        | 22851        | 45.7,45.7  |
| 35       | 2559                     | 1616  | 1077  | 1616  | 2559  | 1629  | 1077  | 1629  | 30- 35   | 5715        | 28566        | 57.1,57.1  |
| 40       | 2354                     | 1067  | 641.7 | 1067  | 2354  | 1077  | 641.7 | 1077  | 35- 40   | 5109        | 33676        | 67.3,67.3  |
| 45       | 2171                     | 774.6 | 247.7 | 774.6 | 2171  | 781.5 | 247.7 | 781.5 | 40- 45   | 4237        | 37913        | 75.8,75.8  |
| 50       | 1987                     | 530.5 | 180.6 | 530.5 | 1987  | 534.5 | 180.6 | 534.5 | 45- 50   | 3348        | 41261        | 82.5,82.5  |
| 55       | 1756                     | 340.0 | 154.3 | 340.0 | 1756  | 341.9 | 154.3 | 341.9 | 50- 55   | 2682        | 43944        | 87.9,87.9  |
| 60       | 1457                     | 255.8 | 128.1 | 255.8 | 1457  | 256.3 | 128.1 | 256.3 | 55- 60   | 2073        | 46016        | 92,92      |
| 65       | 1019                     | 187.8 | 112.9 | 187.8 | 1019  | 186.8 | 112.9 | 186.8 | 60- 65   | 1511        | 47527        | 95,95      |
| 70       | 633.2                    | 136.9 | 97.70 | 136.9 | 633.2 | 136.2 | 97.70 | 136.2 | 65- 70   | 1067        | 48594        | 97.2,97.2  |
| 75       | 297.5                    | 90.72 | 81.36 | 90.72 | 297.5 | 90.60 | 81.36 | 90.60 | 70- 75   | 716.5       | 49310        | 98.6,98.6  |
| 80       | 99.60                    | 44.44 | 55.75 | 44.44 | 99.60 | 44.25 | 55.75 | 44.25 | 75- 80   | 422.8       | 49733        | 99.4,99.4  |
| 85       | 22.95                    | 24.02 | 28.99 | 24.02 | 22.95 | 24.03 | 28.99 | 24.03 | 80- 85   | 207.4       | 49940        | 99.9,99.9  |
| 90       | 1.822                    | 3.051 | 2.226 | 3.051 | 1.822 | 3.270 | 2.226 | 3.270 | 85- 90   | 70.65       | 50011        | 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:×10cd |       |       |       |       |       |       |       |          | UNIT:lm     |              |            |

Conical surface Flux(90deg): 37913 lm

%lum = 75.8%

%lamp = 75.8%

Conical surface Flux(120deg): 46016 lm

%lum = 92.0%

%lamp = 92.0%

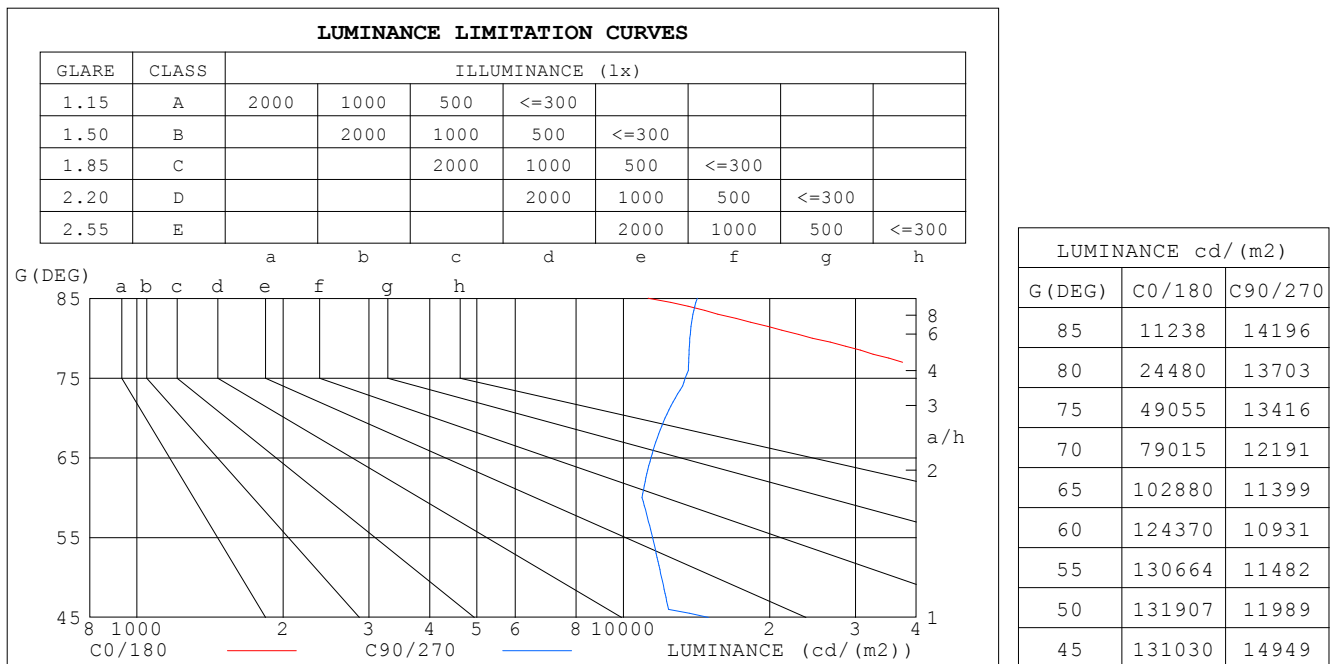
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2017-07-03

Checker:

$\gamma$  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:

## LUMINANCE LIMITATION CURVES



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2017-07-03

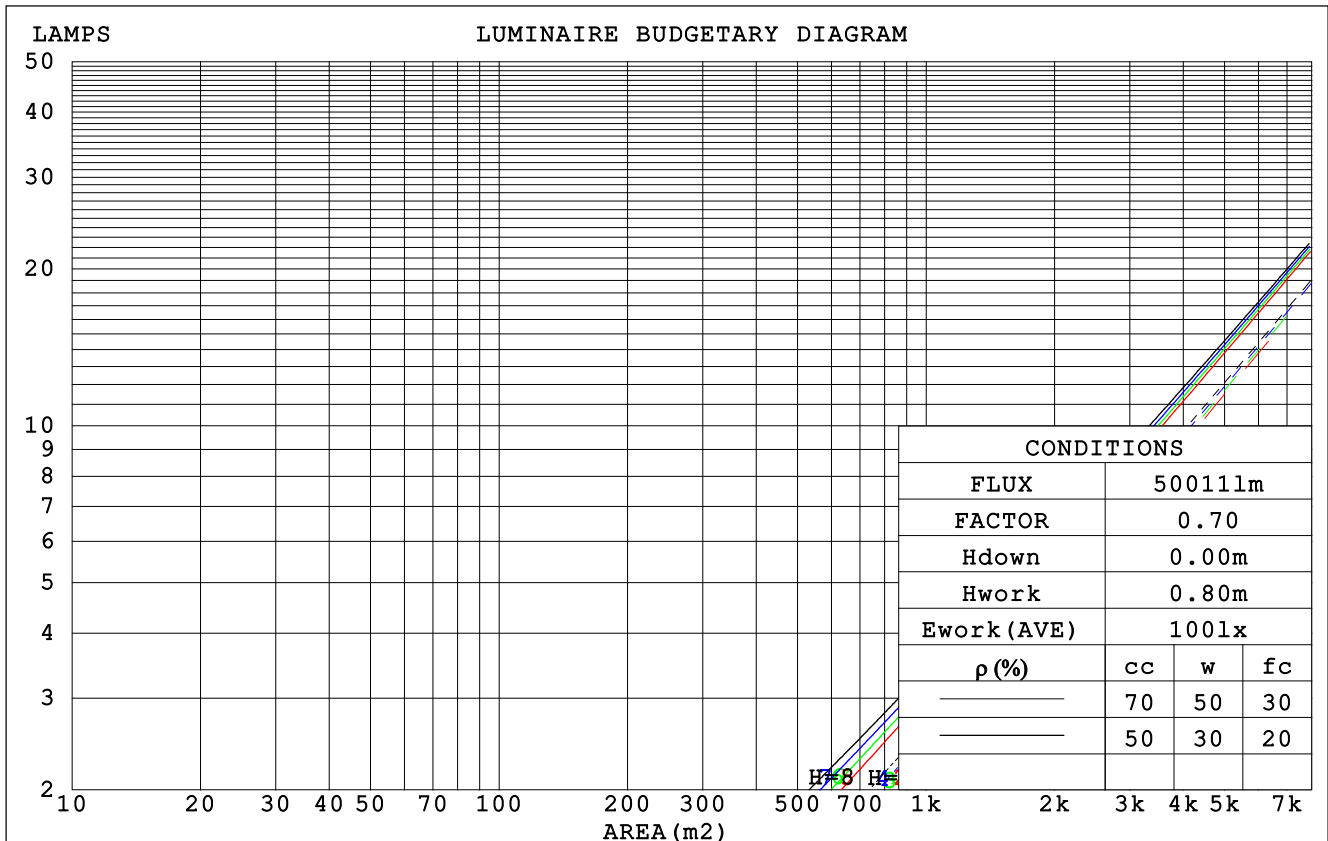
Checker:

$\gamma$  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:

## 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 | .00 |
| 1.0  | 1.08                  | 1.04 | 1.02 | 1.06                            | 1.03 | .00  | 1.01 | .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  | .87                             | .80  | .76  | .84  | .79  | .74  | .81  | .77  | .73  | .79  | .75  | .72  | .70 |
| 4.0  | .80                   | .73  | .67  | .79                             | .72  | .67  | .76  | .71  | .66  | .74  | .69  | .65  | .72  | .68  | .64  | .63 |
| 5.0  | .73                   | .66  | .60  | .72                             | .65  | .60  | .70  | .64  | .59  | .68  | .63  | .59  | .67  | .62  | .58  | .56 |
| 6.0  | .67                   | .60  | .54  | .66                             | .59  | .54  | .65  | .58  | .54  | .63  | .57  | .53  | .62  | .57  | .53  | .51 |
| 7.0  | .62                   | .54  | .49  | .61                             | .54  | .49  | .60  | .53  | .49  | .58  | .53  | .48  | .57  | .52  | .48  | .46 |
| 8.0  | .57                   | .50  | .45  | .57                             | .50  | .45  | .55  | .49  | .45  | .54  | .48  | .44  | .53  | .48  | .44  | .42 |
| 9.0  | .53                   | .46  | .41  | .53                             | .46  | .41  | .52  | .45  | .41  | .51  | .45  | .41  | .50  | .44  | .41  | .39 |
| 10.0 | .50                   | .43  | .38  | .49                             | .42  | .38  | .48  | .42  | .38  | .47  | .42  | .38  | .47  | .41  | .38  | .36 |



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2017-07-03

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:

Assessor:

### 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  | .236                  | .134 | .042 | .229 | .131 | .041 | .216                             | .124 | .040 | .204 | .118 | .038 | .193 | .112 | .036 |   |
| 2.0  | .227                  | .124 | .038 | .221 | .122 | .037 | .210                             | .117 | .036 | .200 | .112 | .035 | .190 | .107 | .034 |   |
| 3.0  | .215                  | .114 | .034 | .209 | .112 | .034 | .200                             | .108 | .033 | .191 | .105 | .032 | .182 | .101 | .031 |   |
| 4.0  | .202                  | .105 | .031 | .198 | .103 | .031 | .189                             | .100 | .030 | .181 | .097 | .029 | .174 | .094 | .029 |   |
| 5.0  | .190                  | .097 | .028 | .186 | .096 | .028 | .179                             | .093 | .027 | .172 | .091 | .027 | .165 | .088 | .027 |   |
| 6.0  | .179                  | .090 | .026 | .176 | .089 | .026 | .169                             | .087 | .025 | .163 | .085 | .025 | .157 | .083 | .025 |   |
| 7.0  | .169                  | .084 | .024 | .166 | .083 | .024 | .160                             | .081 | .023 | .155 | .079 | .023 | .149 | .078 | .023 |   |
| 8.0  | .160                  | .078 | .022 | .157 | .077 | .022 | .152                             | .076 | .022 | .147 | .074 | .021 | .142 | .073 | .021 |   |
| 9.0  | .152                  | .073 | .020 | .149 | .073 | .020 | .144                             | .071 | .020 | .140 | .070 | .020 | .136 | .069 | .020 |   |
| 10.0 | .144                  | .069 | .019 | .142 | .068 | .019 | .137                             | .067 | .019 | .133 | .066 | .019 | .129 | .065 | .019 |   |

| 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  | .190                  | .190 | .190 | .163 | .163 | .163 | .111                                       | .111 | .111 | .064 | .064 | .064 | .020 | .020 | .020 |   |
| 1.0  | .175                  | .157 | .140 | .150 | .135 | .121 | .103                                       | .093 | .083 | .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  | .145                  | .100 | .065 | .125 | .086 | .057 | .086                                       | .060 | .040 | .050 | .035 | .024 | .016 | .011 | .008 |   |
| 5.0  | .138                  | .089 | .053 | .118 | .077 | .046 | .081                                       | .054 | .033 | .047 | .032 | .019 | .015 | .010 | .006 |   |
| 6.0  | .131                  | .080 | .044 | .112 | .069 | .038 | .077                                       | .049 | .027 | .045 | .029 | .016 | .014 | .009 | .005 |   |
| 7.0  | .124                  | .073 | .037 | .107 | .063 | .032 | .074                                       | .044 | .023 | .043 | .026 | .014 | .014 | .009 | .005 |   |
| 8.0  | .118                  | .067 | .032 | .102 | .058 | .028 | .071                                       | .041 | .020 | .041 | .024 | .012 | .013 | .008 | .004 |   |
| 9.0  | .113                  | .062 | .028 | .097 | .054 | .024 | .067                                       | .038 | .017 | .039 | .022 | .010 | .013 | .007 | .003 |   |
| 10.0 | .108                  | .058 | .025 | .093 | .050 | .021 | .065                                       | .035 | .015 | .038 | .021 | .009 | .012 | .007 | .003 |   |

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2017-07-03

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:

Assessor:

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                                      | 28.6             | 29.9 | 28.9 | 30.0 | 30.2 | 19.6           | 20.8 | 19.8 | 21.0 | 21.2 |
| 3H                                                 | 29.6             | 30.7 | 29.8 | 30.9 | 31.1 | 20.1           | 21.2 | 20.4 | 21.4 | 21.7 |
| 4H                                                 | 29.8             | 30.9 | 30.1 | 31.1 | 31.4 | 20.5           | 21.6 | 20.8 | 21.8 | 22.0 |
| 6H                                                 | 29.9             | 30.9 | 30.2 | 31.1 | 31.4 | 20.9           | 21.9 | 21.2 | 22.2 | 22.4 |
| 8H                                                 | 29.8             | 30.8 | 30.2 | 31.1 | 31.4 | 21.1           | 22.0 | 21.4 | 22.3 | 22.6 |
| 12H                                                | 29.8             | 30.7 | 30.1 | 31.0 | 31.3 | 21.2           | 22.1 | 21.5 | 22.4 | 22.7 |
| 4H 2H                                              | 28.4             | 29.5 | 28.7 | 29.7 | 29.9 | 20.2           | 21.3 | 20.5 | 21.5 | 21.7 |
| 3H                                                 | 29.4             | 30.3 | 29.7 | 30.6 | 30.9 | 20.8           | 21.7 | 21.1 | 22.0 | 22.3 |
| 4H                                                 | 29.6             | 30.5 | 30.0 | 30.8 | 31.1 | 21.2           | 22.1 | 21.6 | 22.4 | 22.7 |
| 6H                                                 | 29.7             | 30.5 | 30.1 | 30.8 | 31.2 | 21.7           | 22.5 | 22.1 | 22.8 | 23.2 |
| 8H                                                 | 29.7             | 30.4 | 30.1 | 30.8 | 31.2 | 22.0           | 22.7 | 22.4 | 23.0 | 23.4 |
| 12H                                                | 29.7             | 30.3 | 30.1 | 30.7 | 31.1 | 22.2           | 22.8 | 22.6 | 23.2 | 23.6 |
| 8H 4H                                              | 29.5             | 30.2 | 29.9 | 30.6 | 31.0 | 21.5           | 22.2 | 21.9 | 22.6 | 22.9 |
| 6H                                                 | 29.7             | 30.2 | 30.1 | 30.6 | 31.0 | 22.1           | 22.7 | 22.5 | 23.1 | 23.5 |
| 8H                                                 | 29.7             | 30.2 | 30.1 | 30.6 | 31.0 | 22.4           | 22.9 | 22.8 | 23.3 | 23.8 |
| 12H                                                | 29.7             | 30.1 | 30.1 | 30.5 | 31.0 | 22.7           | 23.1 | 23.1 | 23.6 | 24.0 |
| 12H 4H                                             | 29.5             | 30.1 | 29.9 | 30.5 | 30.9 | 21.5           | 22.2 | 21.9 | 22.5 | 22.9 |
| 6H                                                 | 29.6             | 30.1 | 30.1 | 30.5 | 31.0 | 22.1           | 22.6 | 22.6 | 23.1 | 23.5 |
| 8H                                                 | 29.6             | 30.1 | 30.1 | 30.5 | 31.0 | 22.5           | 22.9 | 22.9 | 23.3 | 23.8 |
| Variations with the observer position at spacings: |                  |      |      |      |      |                |      |      |      |      |
| S = 1.0H                                           | + 1.2 / - 2.1    |      |      |      |      | + 0.9 / - 1.2  |      |      |      |      |
| 1.5H                                               | + 2.3 / - 4.0    |      |      |      |      | + 1.2 / - 1.1  |      |      |      |      |
| 2.0H                                               | + 3.5 / - 5.9    |      |      |      |      | + 1.0 / - 0.8  |      |      |      |      |

CIE Pub.117 Corrected 50011 lm Total Lamp Luminous Flux.(8log(F/F0) = 13.6)

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2017-07-03

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:

Assessor:

### 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                                                   | 62  | 56        | 70  | 62  | 56  | 69  | 61            | 56  | 51     |
| 0.80                             | 80                                                   | 71  | 66        | 80  | 71  | 66  | 78  | 70            | 65  | 60     |
| 1.00                             | 87                                                   | 79  | 74        | 86  | 79  | 73  | 85  | 79            | 73  | 67     |
| 1.25                             | 93                                                   | 86  | 80        | 92  | 85  | 80  | 90  | 84            | 79  | 73     |
| 1.50                             | 97                                                   | 90  | 85        | 96  | 89  | 85  | 93  | 88            | 83  | 77     |
| 2.00                             | 102                                                  | 96  | 91        | 101 | 95  | 91  | 98  | 93            | 89  | 83     |
| 2.50                             | 105                                                  | 99  | 95        | 103 | 98  | 94  | 100 | 95            | 92  | 85     |
| 3.00                             | 107                                                  | 102 | 98        | 105 | 101 | 97  | 102 | 98            | 95  | 88     |
| 4.00                             | 110                                                  | 106 | 103       | 108 | 104 | 101 | 104 | 101           | 99  | 91     |
| 5.00                             | 112                                                  | 108 | 106       | 110 | 107 | 104 | 105 | 103           | 101 | 93     |
| ROOM INDEX                       | UF (total)                                           |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |                                                      |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

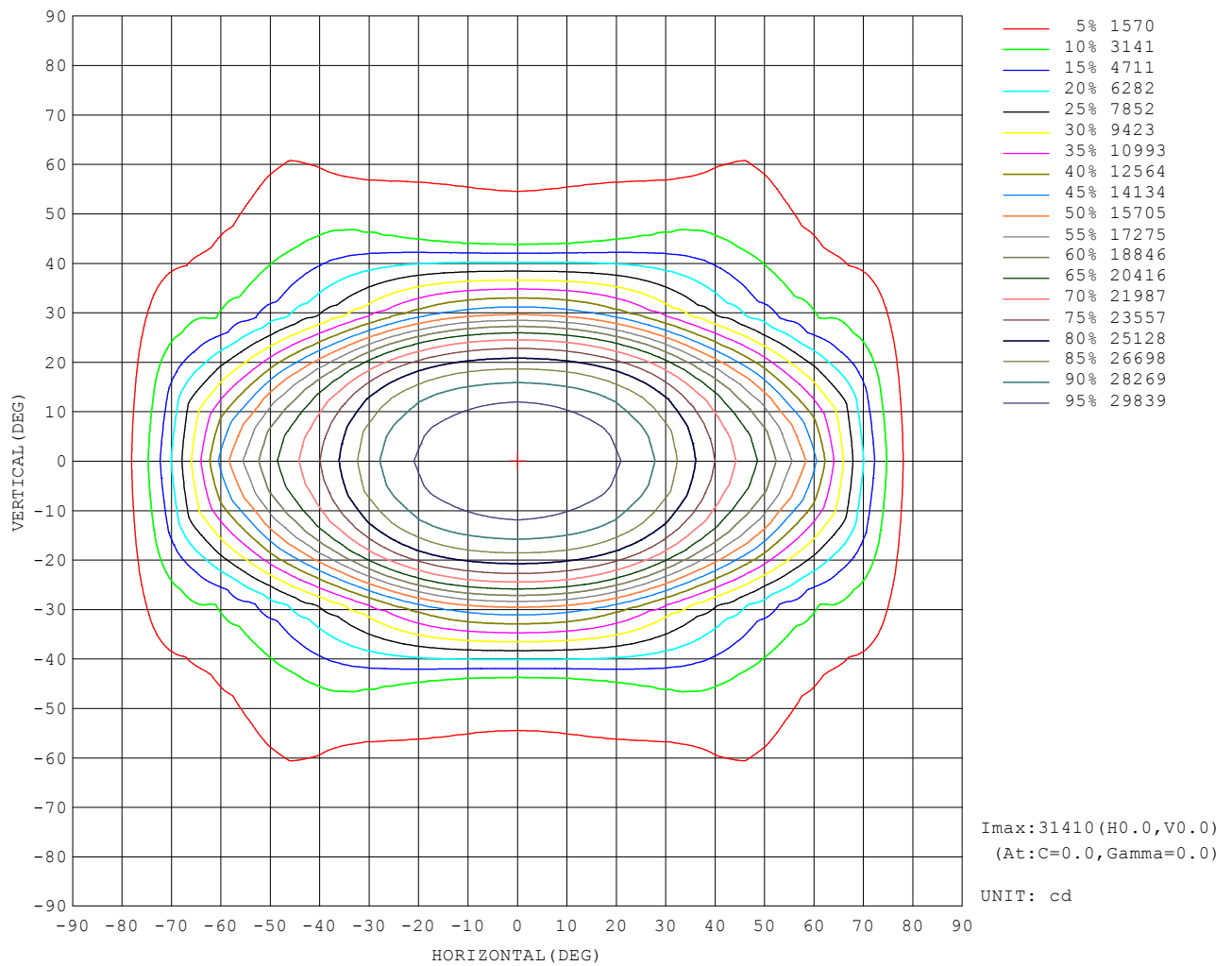
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2017-07-03

Checker:

$\gamma$  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



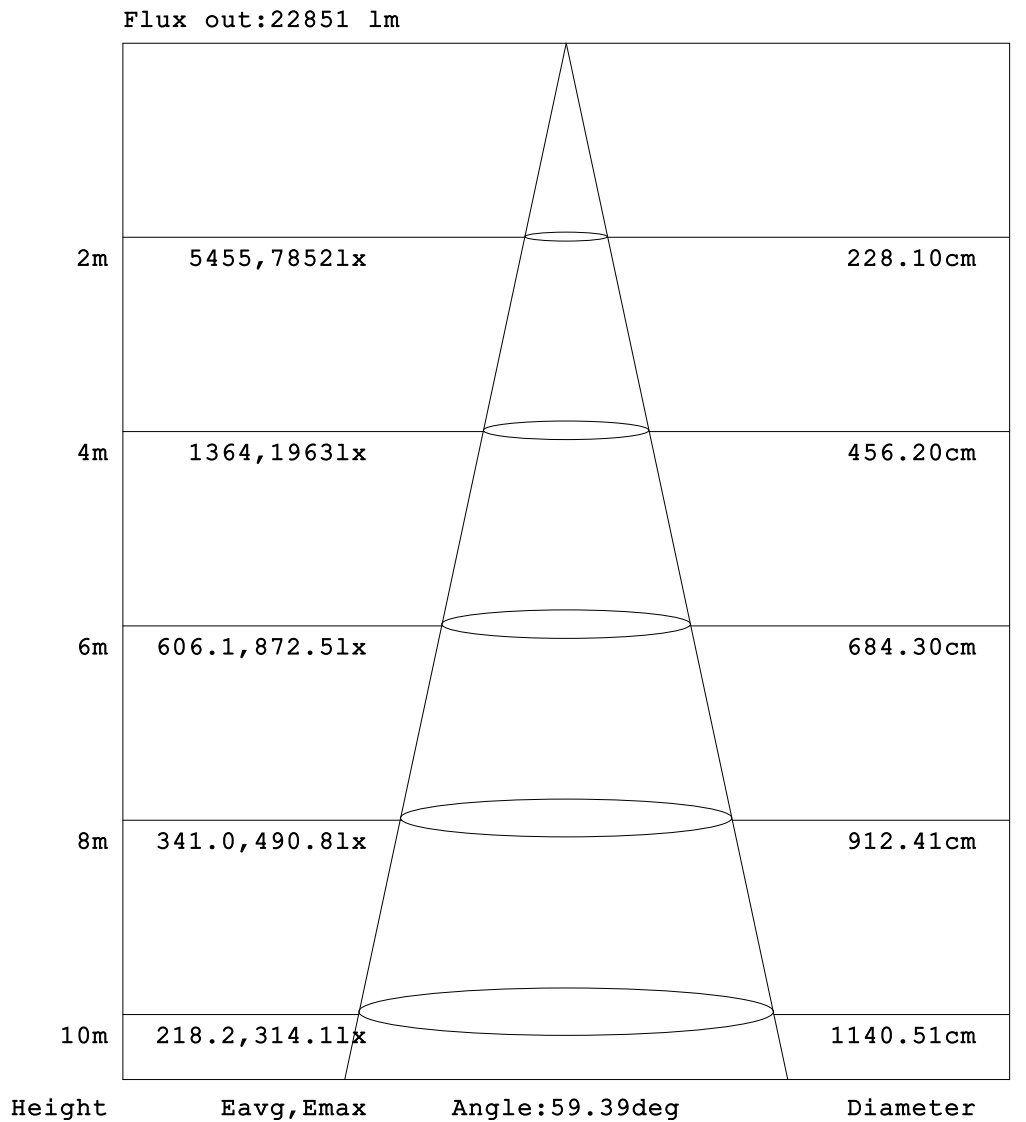
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2017-07-03

$\gamma$  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:

Assessor:

## AAI Figure



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

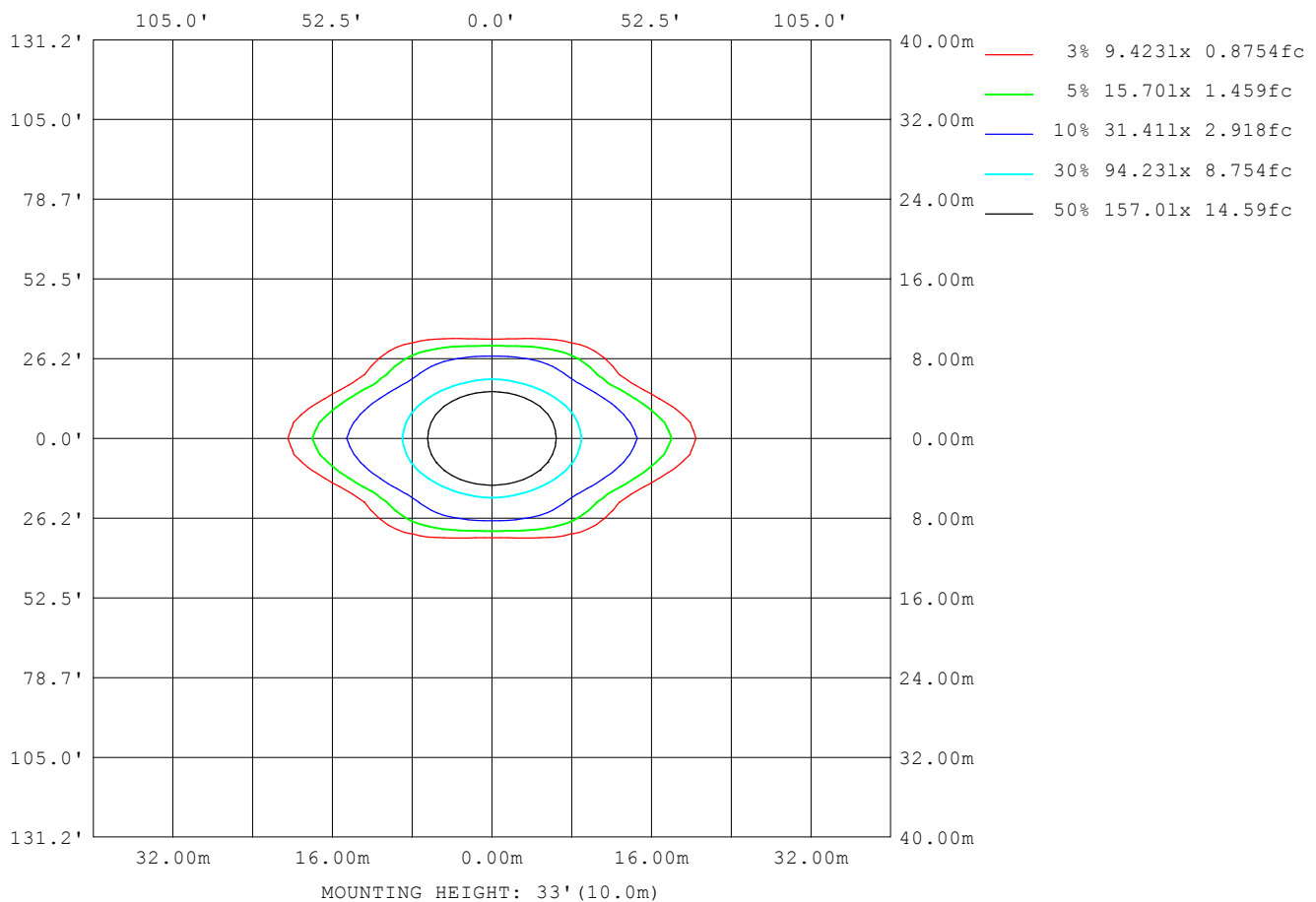
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2017-07-03

$\gamma$  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:

Assessor:

## ISOLUX DIAGRAM



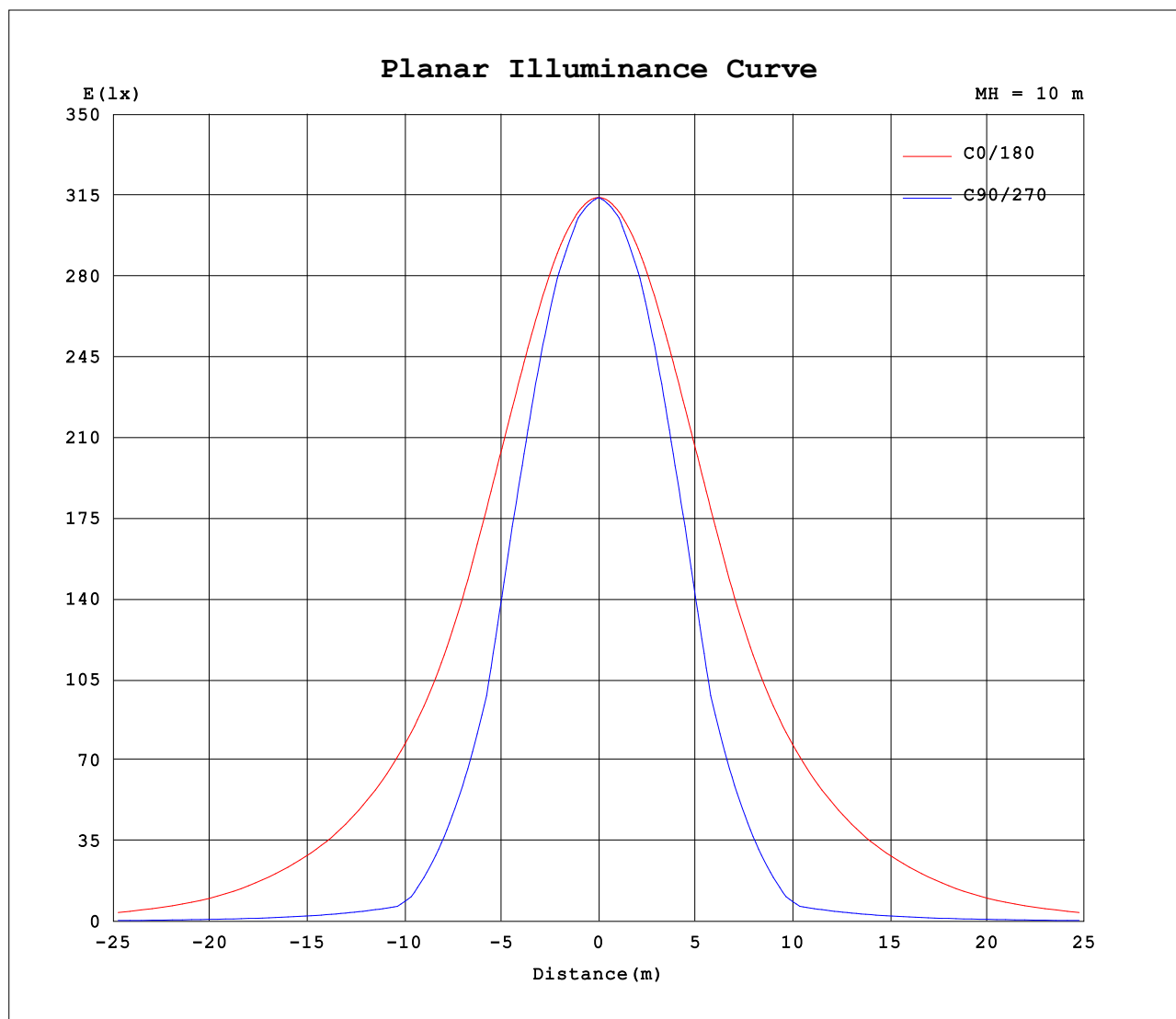
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2017-07-03

Checker:

$\gamma$  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:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2017-07-03

$\gamma$  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:

Assessor:

Assessor:

Assessor:

Assessor:

UNIT:  $\times 10 \text{cd}$ 

Assessor: