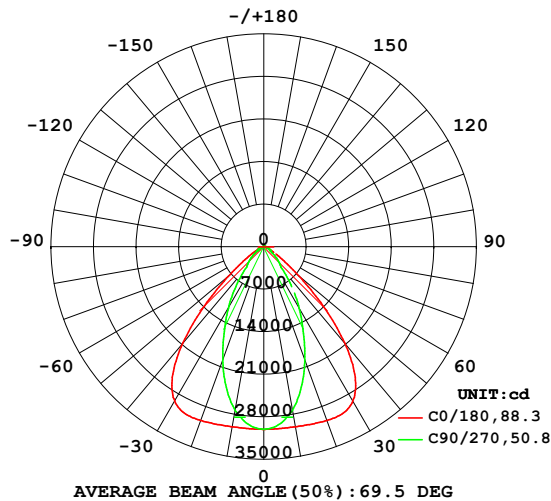


## LUMINAIRE PHOTOMETRIC TEST REPORT

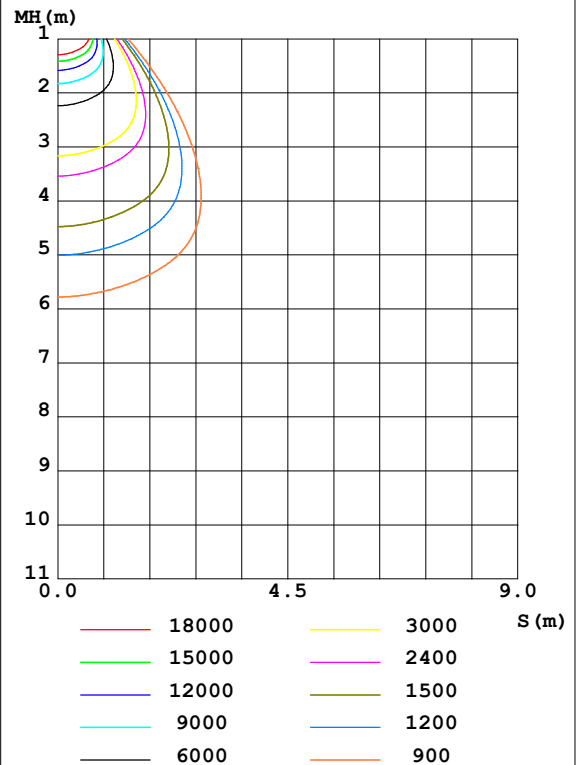
|                                                                  |                         |                  |
|------------------------------------------------------------------|-------------------------|------------------|
| Test:U:229.9V I:1.057A P:237.9W PF:0.9787 Lamp Flux:38547.1x1 lm |                         |                  |
| NAME: LHB01-240H                                                 | TYPE:240W               | WEIGHT:          |
| SPEC.:5000K Ra70 5090DEG L06402                                  | DIM.: 0.948*0.275*0.102 | SERIAL No.:      |
| MFR.:                                                            | SUR.:0.92*0.2           | Shielding Angle: |

| DATA OF LAMP     |            | PHOTOMETRIC DATA Eff: 162.06 lm/W |        |                        |          |
|------------------|------------|-----------------------------------|--------|------------------------|----------|
| MODEL            | LHB01-240H | Imax(cd)                          | 30481  | S/MH(C0/180)           | 1.27     |
| NOMINAL POWER(W) | 240        | LOR(%)                            | 100.0  | S/MH(C90/270)          | 0.78     |
| RATED VOLTAGE(V) | 230        | TOTAL FLUX(lm)                    | 38547  | $\eta$ UP,DN(C0-180)   | 0.0,50.0 |
| NOMINAL FLUX(lm) | 38547.1    | CIE CLASS                         | DIRECT | $\eta$ UP,DN(C180-360) | 0.0,50.0 |
| LAMPS INSIDE     | 1          | $\eta$ up(%)                      | 0.0    | CIBSE SHR NOM          | 0.75     |
| TEST VOLTAGE(V)  | 230        | $\eta$ down(%)                    | 100.0  | CIBSE SHR MAX          | 0.85     |

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:2017-06-02

$\gamma$  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:

## ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

| $\gamma$ | C0                       | C45   | C90   | C135  | C180   | C225  | C270  | C315  | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum, lamp |
|----------|--------------------------|-------|-------|-------|--------|-------|-------|-------|----------|-------------|--------------|------------|
| 5        | 3004                     | 2966  | 2934  | 2966  | 3004   | 2971  | 2934  | 2971  | 0- 5     | 713.9       | 713.9        | 1.85,1.85  |
| 10       | 3009                     | 2855  | 2732  | 2855  | 3009   | 2865  | 2732  | 2865  | 5- 10    | 2086        | 2800         | 7.26,7.26  |
| 15       | 3024                     | 2675  | 2396  | 2675  | 3024   | 2683  | 2396  | 2683  | 10- 15   | 3297        | 6098         | 15.8,15.8  |
| 20       | 3043                     | 2411  | 1981  | 2411  | 3043   | 2411  | 1981  | 2411  | 15- 20   | 4246        | 10344        | 26.8,26.8  |
| 25       | 3040                     | 2055  | 1538  | 2055  | 3040   | 2048  | 1538  | 2048  | 20- 25   | 4850        | 15194        | 39.4,39.4  |
| 30       | 2935                     | 1614  | 1168  | 1614  | 2935   | 1604  | 1168  | 1604  | 25- 30   | 5055        | 20249        | 52.5,52.5  |
| 35       | 2625                     | 1185  | 807.3 | 1185  | 2625   | 1174  | 807.3 | 1174  | 30- 35   | 4839        | 25088        | 65.1,65.1  |
| 40       | 2073                     | 872.3 | 447.0 | 872.3 | 2073   | 862.3 | 447.0 | 862.3 | 35- 40   | 4164        | 29252        | 75.9,75.9  |
| 45       | 1383                     | 576.8 | 345.8 | 576.8 | 1383   | 567.9 | 345.8 | 567.9 | 40- 45   | 3181        | 32433        | 84.1,84.1  |
| 50       | 763.0                    | 307.0 | 244.6 | 307.0 | 763.0  | 299.9 | 244.6 | 299.9 | 45- 50   | 2221        | 34654        | 89.9,89.9  |
| 55       | 387.6                    | 226.6 | 150.8 | 226.6 | 387.6  | 221.2 | 150.8 | 221.2 | 50- 55   | 1421        | 36075        | 93.6,93.6  |
| 60       | 191.2                    | 151.1 | 116.0 | 151.1 | 191.2  | 147.3 | 116.0 | 147.3 | 55- 60   | 890.2       | 36965        | 95.9,95.9  |
| 65       | 105.1                    | 92.38 | 88.63 | 92.38 | 105.1  | 89.81 | 88.63 | 89.81 | 60- 65   | 586.2       | 37552        | 97.4,97.4  |
| 70       | 68.34                    | 65.52 | 61.26 | 65.52 | 68.34  | 64.06 | 61.26 | 64.06 | 65- 70   | 403.1       | 37955        | 98.5,98.5  |
| 75       | 38.78                    | 39.77 | 46.33 | 39.77 | 38.78  | 39.31 | 46.33 | 39.31 | 70- 75   | 274.2       | 38229        | 99.2,99.2  |
| 80       | 18.06                    | 25.68 | 31.40 | 25.68 | 18.06  | 25.53 | 31.40 | 25.53 | 75- 80   | 177.6       | 38406        | 99.6,99.6  |
| 85       | 4.673                    | 13.45 | 16.47 | 13.45 | 4.673  | 13.52 | 16.47 | 13.52 | 80- 85   | 102.2       | 38509        | 99.9,99.9  |
| 90       | 0.5839                   | 1.482 | 1.538 | 1.482 | 0.5839 | 1.769 | 1.538 | 1.769 | 85- 90   | 38.44       | 38547        | 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): 32433 lm

%lum = 84.1%

%lamp = 84.1%

Conical surface Flux(120deg): 36965 lm

%lum = 95.9%

%lamp = 95.9%

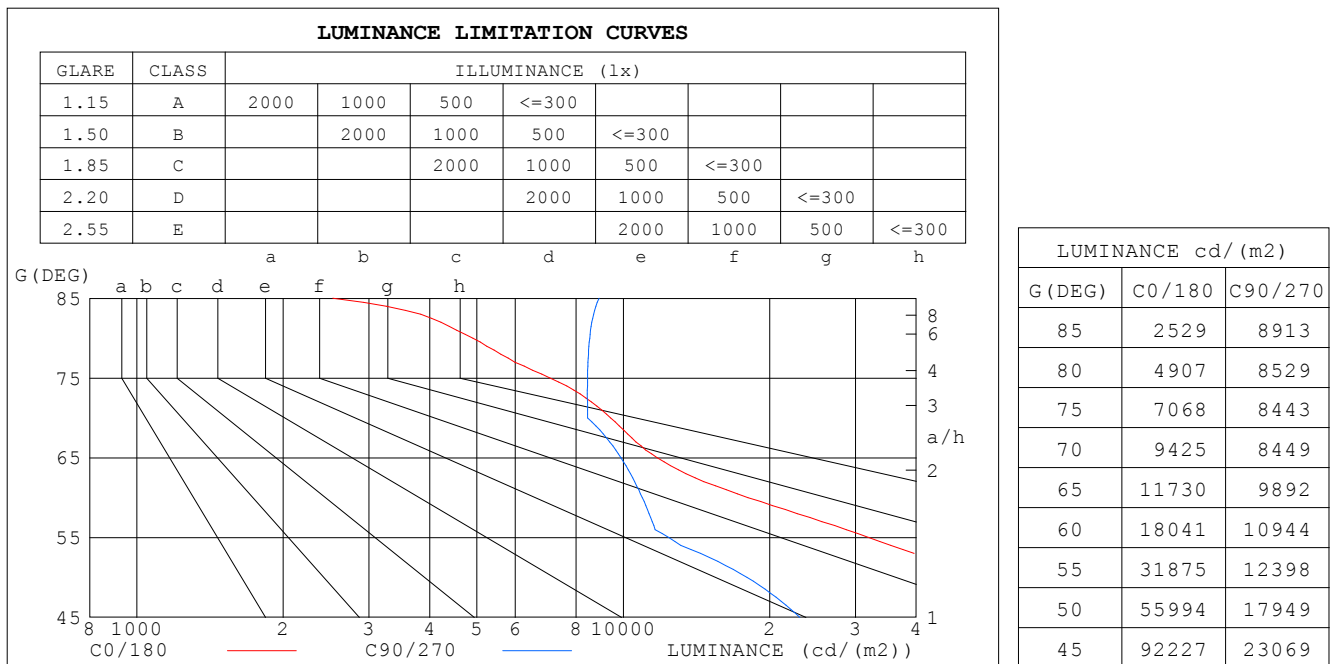
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2017-06-02

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: 2017-06-02

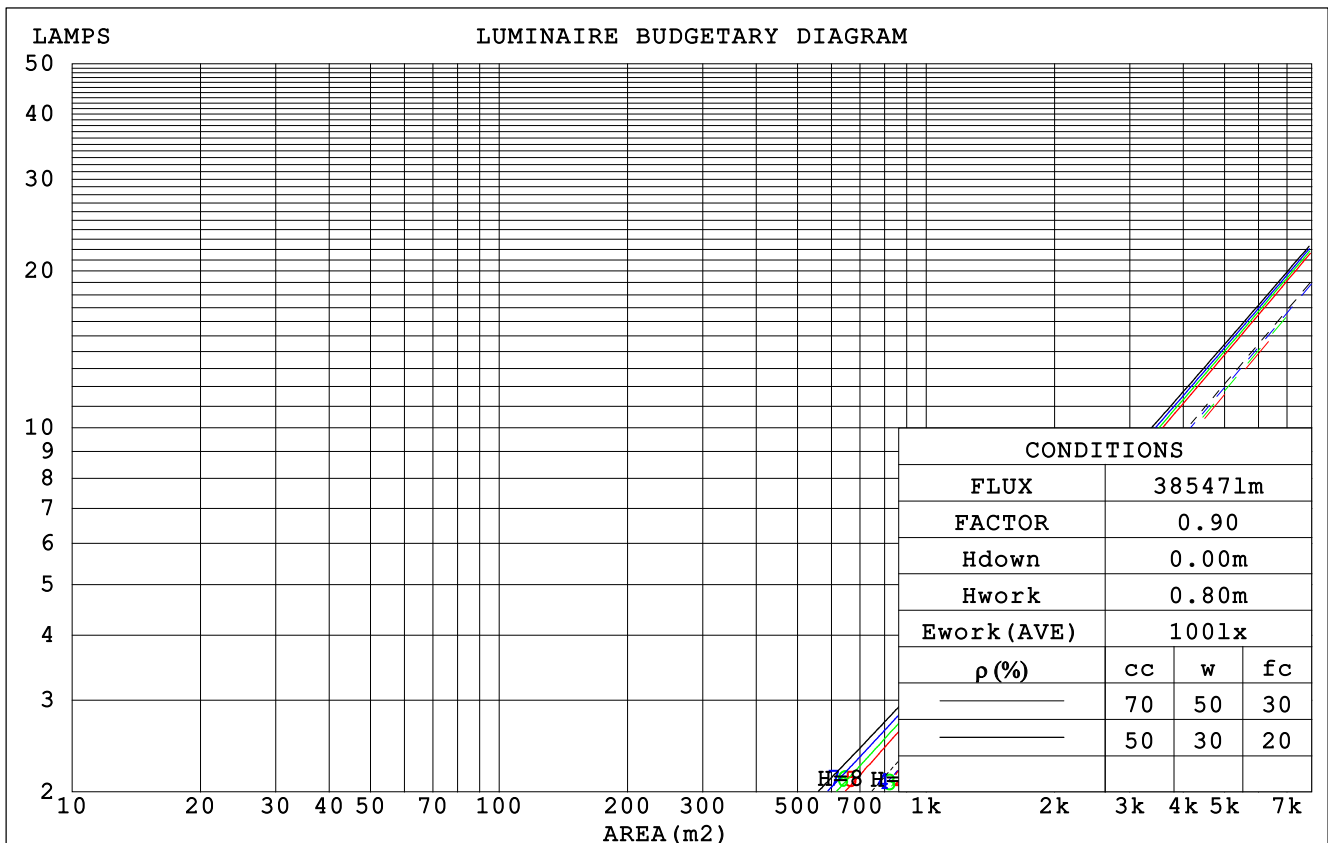
Checker:

$\gamma$  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  | 1.09                  | 1.06 | 1.03 | 1.07                            | 1.04 | 1.02 | 1.03 | 1.00 | .98  | .99  | .97  | .96  | .95  | .94  | .93  | .91 |
| 2.0  | .99                   | .95  | .91  | .98                             | .93  | .89  | .94  | .91  | .87  | .91  | .88  | .86  | .88  | .86  | .84  | .82 |
| 3.0  | .91                   | .85  | .80  | .90                             | .84  | .80  | .87  | .82  | .78  | .84  | .80  | .77  | .82  | .79  | .76  | .74 |
| 4.0  | .84                   | .77  | .72  | .82                             | .76  | .71  | .80  | .75  | .71  | .78  | .73  | .70  | .76  | .72  | .69  | .67 |
| 5.0  | .77                   | .70  | .65  | .76                             | .69  | .65  | .74  | .68  | .64  | .72  | .67  | .63  | .71  | .66  | .63  | .61 |
| 6.0  | .71                   | .64  | .59  | .70                             | .64  | .59  | .69  | .63  | .58  | .67  | .62  | .58  | .66  | .61  | .58  | .56 |
| 7.0  | .66                   | .59  | .54  | .65                             | .59  | .54  | .64  | .58  | .54  | .63  | .57  | .53  | .61  | .57  | .53  | .51 |
| 8.0  | .61                   | .54  | .50  | .61                             | .54  | .50  | .60  | .54  | .49  | .58  | .53  | .49  | .57  | .53  | .49  | .47 |
| 9.0  | .57                   | .50  | .46  | .57                             | .50  | .46  | .56  | .50  | .46  | .55  | .49  | .45  | .54  | .49  | .45  | .44 |
| 10.0 | .54                   | .47  | .43  | .53                             | .47  | .43  | .52  | .46  | .42  | .51  | .46  | .42  | .51  | .46  | .42  | .41 |



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2017-06-02

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  | .213                  | .121 | .038 | .206 | .118 | .037 | .194                             | .111 | .035 | .182 | .105 | .034 | .171 | .099 | .032 |   |
| 2.0  | .205                  | .113 | .035 | .200 | .110 | .034 | .189                             | .105 | .033 | .179 | .100 | .031 | .169 | .096 | .030 |   |
| 3.0  | .195                  | .104 | .031 | .190 | .102 | .031 | .181                             | .098 | .030 | .172 | .094 | .029 | .164 | .091 | .028 |   |
| 4.0  | .185                  | .096 | .028 | .181 | .095 | .028 | .173                             | .092 | .027 | .165 | .089 | .027 | .158 | .086 | .026 |   |
| 5.0  | .176                  | .089 | .026 | .172 | .088 | .026 | .164                             | .086 | .025 | .158 | .083 | .025 | .151 | .081 | .024 |   |
| 6.0  | .166                  | .083 | .024 | .163 | .082 | .024 | .157                             | .080 | .023 | .151 | .078 | .023 | .145 | .076 | .023 |   |
| 7.0  | .158                  | .078 | .022 | .155 | .077 | .022 | .149                             | .075 | .022 | .144 | .074 | .021 | .139 | .072 | .021 |   |
| 8.0  | .150                  | .073 | .021 | .147 | .073 | .021 | .142                             | .071 | .020 | .137 | .070 | .020 | .133 | .068 | .020 |   |
| 9.0  | .143                  | .069 | .019 | .141 | .068 | .019 | .136                             | .067 | .019 | .132 | .066 | .019 | .127 | .065 | .019 |   |
| 10.0 | .136                  | .065 | .018 | .134 | .065 | .018 | .130                             | .064 | .018 | .126 | .063 | .018 | .122 | .061 | .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  | .190                  | .190 | .190 | .163 | .163 | .163 | .111                                       | .111 | .111 | .064 | .064 | .064 | .020 | .020 | .020 |   |  |
| 1.0  | .174                  | .157 | .142 | .149 | .135 | .122 | .102                                       | .093 | .085 | .058 | .054 | .049 | .019 | .017 | .016 |   |  |
| 2.0  | .161                  | .132 | .108 | .138 | .114 | .094 | .094                                       | .079 | .065 | .054 | .046 | .038 | .017 | .015 | .012 |   |  |
| 3.0  | .150                  | .114 | .085 | .129 | .098 | .074 | .088                                       | .068 | .052 | .051 | .040 | .030 | .016 | .013 | .010 |   |  |
| 4.0  | .141                  | .100 | .068 | .121 | .086 | .059 | .083                                       | .060 | .041 | .048 | .035 | .025 | .015 | .011 | .008 |   |  |
| 5.0  | .133                  | .088 | .055 | .114 | .076 | .048 | .079                                       | .053 | .034 | .046 | .031 | .020 | .015 | .010 | .007 |   |  |
| 6.0  | .126                  | .079 | .046 | .109 | .069 | .040 | .075                                       | .048 | .028 | .043 | .028 | .017 | .014 | .009 | .006 |   |  |
| 7.0  | .120                  | .072 | .039 | .103 | .063 | .034 | .071                                       | .044 | .024 | .041 | .026 | .014 | .013 | .008 | .005 |   |  |
| 8.0  | .114                  | .066 | .033 | .098 | .057 | .029 | .068                                       | .040 | .021 | .040 | .024 | .012 | .013 | .008 | .004 |   |  |
| 9.0  | .109                  | .061 | .029 | .094 | .053 | .025 | .065                                       | .037 | .018 | .038 | .022 | .011 | .012 | .007 | .004 |   |  |
| 10.0 | .104                  | .057 | .025 | .090 | .049 | .022 | .062                                       | .035 | .016 | .036 | .021 | .009 | .012 | .007 | .003 |   |  |

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2017-06-02

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                                      | 24.9             | 26.1 | 25.2 | 26.3 | 26.4 | 19.3           | 20.5 | 19.6 | 20.6 | 20.8 |
| 3H                                                 | 24.9             | 26.0 | 25.2 | 26.2 | 26.4 | 19.7           | 20.8 | 20.0 | 21.0 | 21.2 |
| 4H                                                 | 24.9             | 25.9 | 25.2 | 26.1 | 26.3 | 19.9           | 20.9 | 20.2 | 21.1 | 21.4 |
| 6H                                                 | 24.8             | 25.7 | 25.1 | 26.0 | 26.2 | 20.1           | 21.1 | 20.4 | 21.3 | 21.6 |
| 8H                                                 | 24.8             | 25.7 | 25.1 | 25.9 | 26.2 | 20.2           | 21.1 | 20.5 | 21.4 | 21.6 |
| 12H                                                | 24.7             | 25.6 | 25.1 | 25.9 | 26.1 | 20.3           | 21.1 | 20.6 | 21.4 | 21.7 |
| 4H 2H                                              | 24.7             | 25.7 | 25.0 | 26.0 | 26.2 | 19.6           | 20.6 | 19.9 | 20.8 | 21.0 |
| 3H                                                 | 24.8             | 25.6 | 25.1 | 25.9 | 26.2 | 20.1           | 20.9 | 20.4 | 21.2 | 21.5 |
| 4H                                                 | 24.8             | 25.5 | 25.1 | 25.9 | 26.2 | 20.4           | 21.2 | 20.7 | 21.5 | 21.8 |
| 6H                                                 | 24.7             | 25.4 | 25.1 | 25.8 | 26.1 | 20.7           | 21.4 | 21.1 | 21.7 | 22.1 |
| 8H                                                 | 24.7             | 25.3 | 25.1 | 25.7 | 26.1 | 20.8           | 21.5 | 21.2 | 21.8 | 22.2 |
| 12H                                                | 24.7             | 25.2 | 25.1 | 25.6 | 26.0 | 21.0           | 21.5 | 21.4 | 21.9 | 22.3 |
| 8H 4H                                              | 24.7             | 25.3 | 25.1 | 25.7 | 26.0 | 20.4           | 21.1 | 20.8 | 21.4 | 21.8 |
| 6H                                                 | 24.7             | 25.2 | 25.1 | 25.6 | 26.0 | 20.9           | 21.4 | 21.3 | 21.8 | 22.2 |
| 8H                                                 | 24.7             | 25.1 | 25.1 | 25.5 | 26.0 | 21.1           | 21.5 | 21.5 | 22.0 | 22.4 |
| 12H                                                | 24.6             | 25.0 | 25.1 | 25.5 | 25.9 | 21.3           | 21.7 | 21.8 | 22.1 | 22.6 |
| 12H 4H                                             | 24.6             | 25.2 | 25.1 | 25.6 | 26.0 | 20.4           | 21.0 | 20.8 | 21.4 | 21.8 |
| 6H                                                 | 24.6             | 25.1 | 25.1 | 25.5 | 26.0 | 20.9           | 21.3 | 21.3 | 21.7 | 22.2 |
| 8H                                                 | 24.6             | 25.0 | 25.1 | 25.5 | 25.9 | 21.1           | 21.5 | 21.6 | 21.9 | 22.4 |
| Variations with the observer position at spacings: |                  |      |      |      |      |                |      |      |      |      |
| S = 1.0H                                           | + 2.8 / - 3.3    |      |      |      |      | + 1.0 / - 1.4  |      |      |      |      |
| 1.5H                                               | + 3.6 / - 3.9    |      |      |      |      | + 1.0 / - 1.0  |      |      |      |      |
| 2.0H                                               | + 5.5 / - 4.3    |      |      |      |      | + 1.3 / - 1.0  |      |      |      |      |

CIE Pub.117 Corrected 38547 lm Total Lamp Luminous Flux.(8log(F/F0) = 12.7)

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2017-06-02

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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 76                                                   | 68  | 63        | 76  | 68  | 63  | 75  | 67            | 63  | 58     |
| 0.80                             | 85                                                   | 77  | 72        | 84  | 77  | 72  | 83  | 76            | 72  | 67     |
| 1.00                             | 92                                                   | 84  | 79        | 91  | 84  | 79  | 89  | 84            | 79  | 74     |
| 1.25                             | 97                                                   | 90  | 86        | 96  | 90  | 85  | 94  | 88            | 84  | 79     |
| 1.50                             | 101                                                  | 94  | 90        | 99  | 93  | 89  | 97  | 92            | 88  | 83     |
| 2.00                             | 105                                                  | 99  | 95        | 103 | 98  | 94  | 100 | 96            | 93  | 87     |
| 2.50                             | 107                                                  | 102 | 98        | 105 | 101 | 97  | 102 | 98            | 95  | 89     |
| 3.00                             | 109                                                  | 105 | 101       | 107 | 103 | 100 | 104 | 100           | 98  | 91     |
| 4.00                             | 112                                                  | 108 | 105       | 109 | 106 | 104 | 106 | 103           | 101 | 93     |
| 5.00                             | 113                                                  | 110 | 107       | 111 | 108 | 106 | 107 | 105           | 103 | 95     |
| ROOM INDEX                       | UF (total)                                           |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |                                                      |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

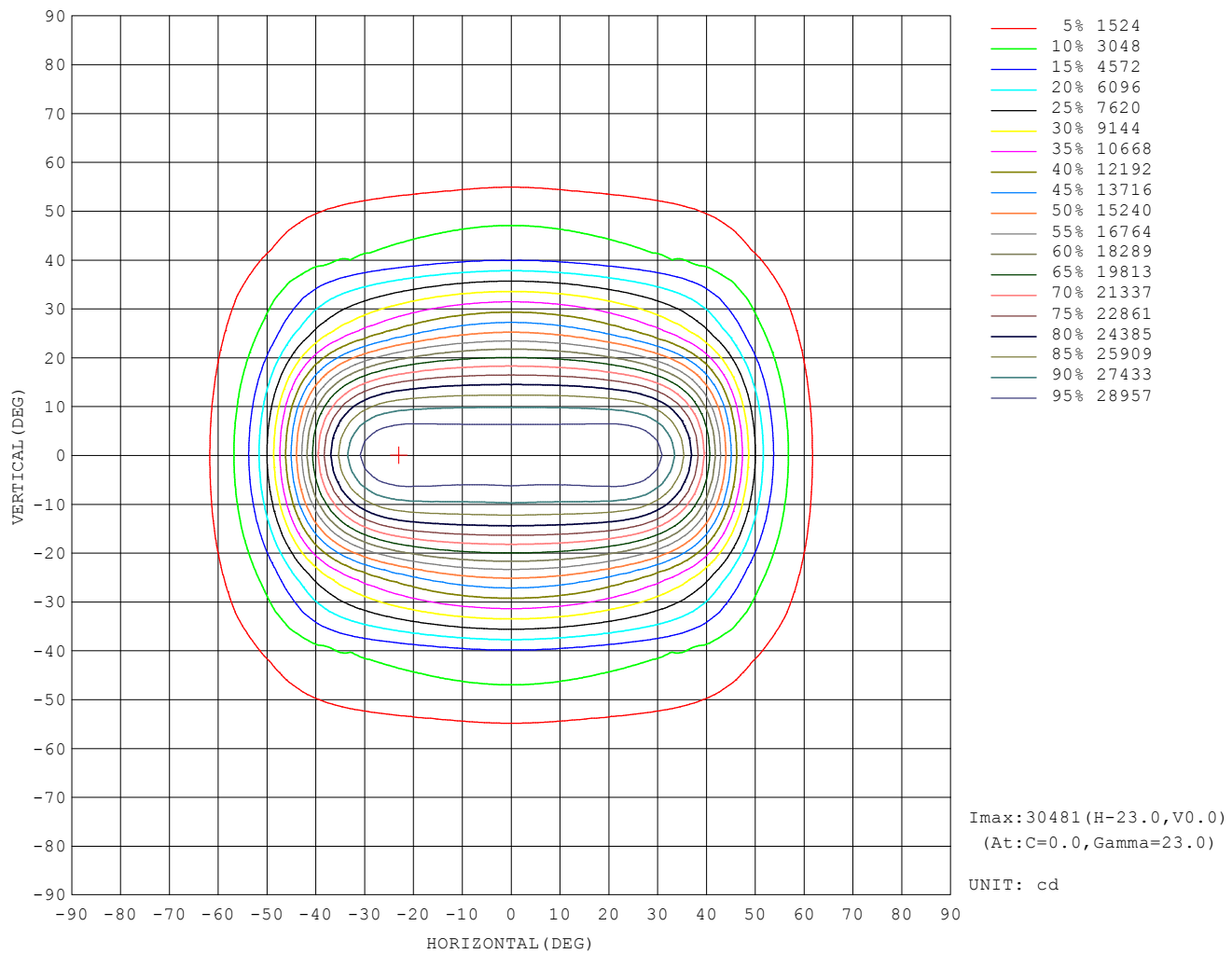
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2017-06-02

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



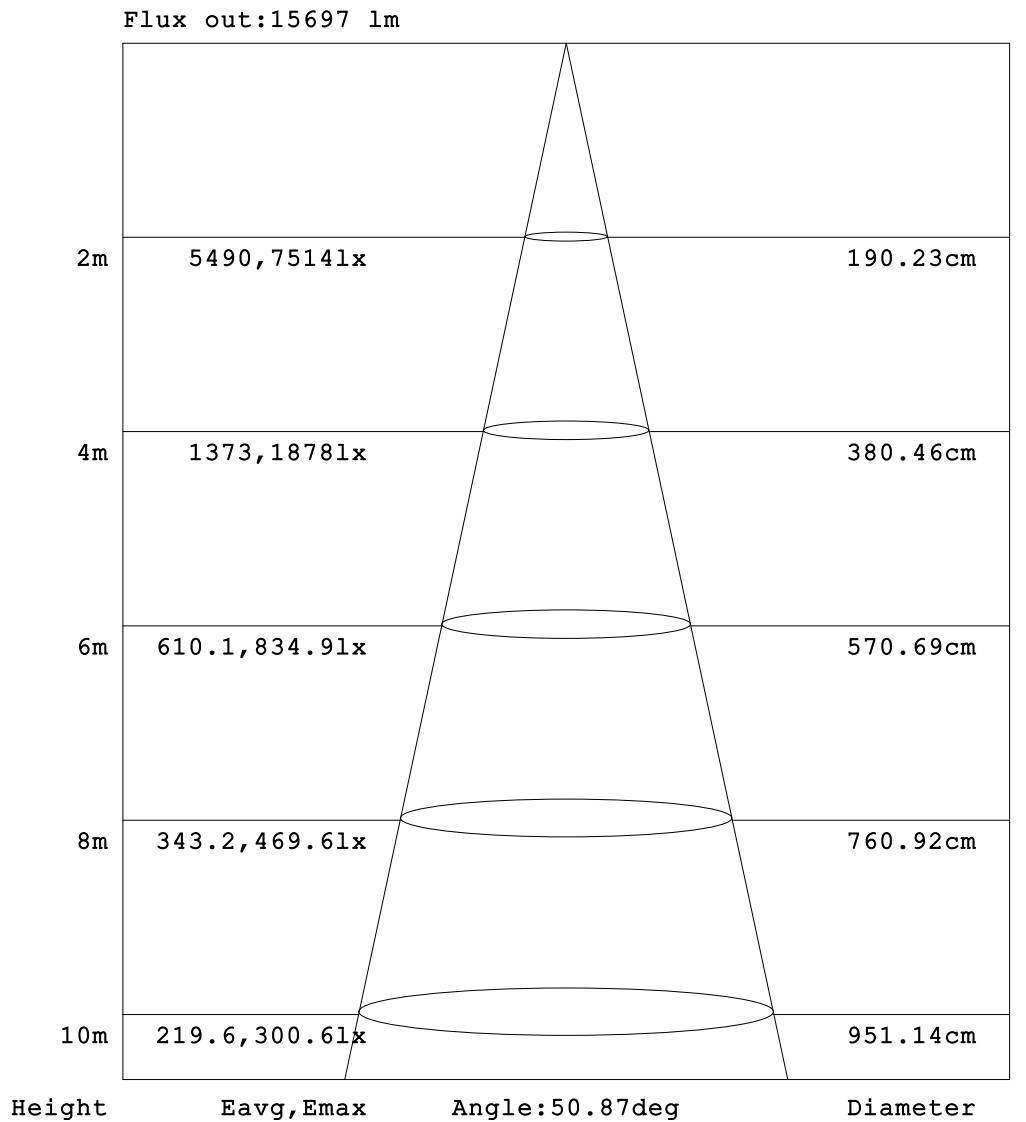
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2017-06-02

$\gamma$  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.

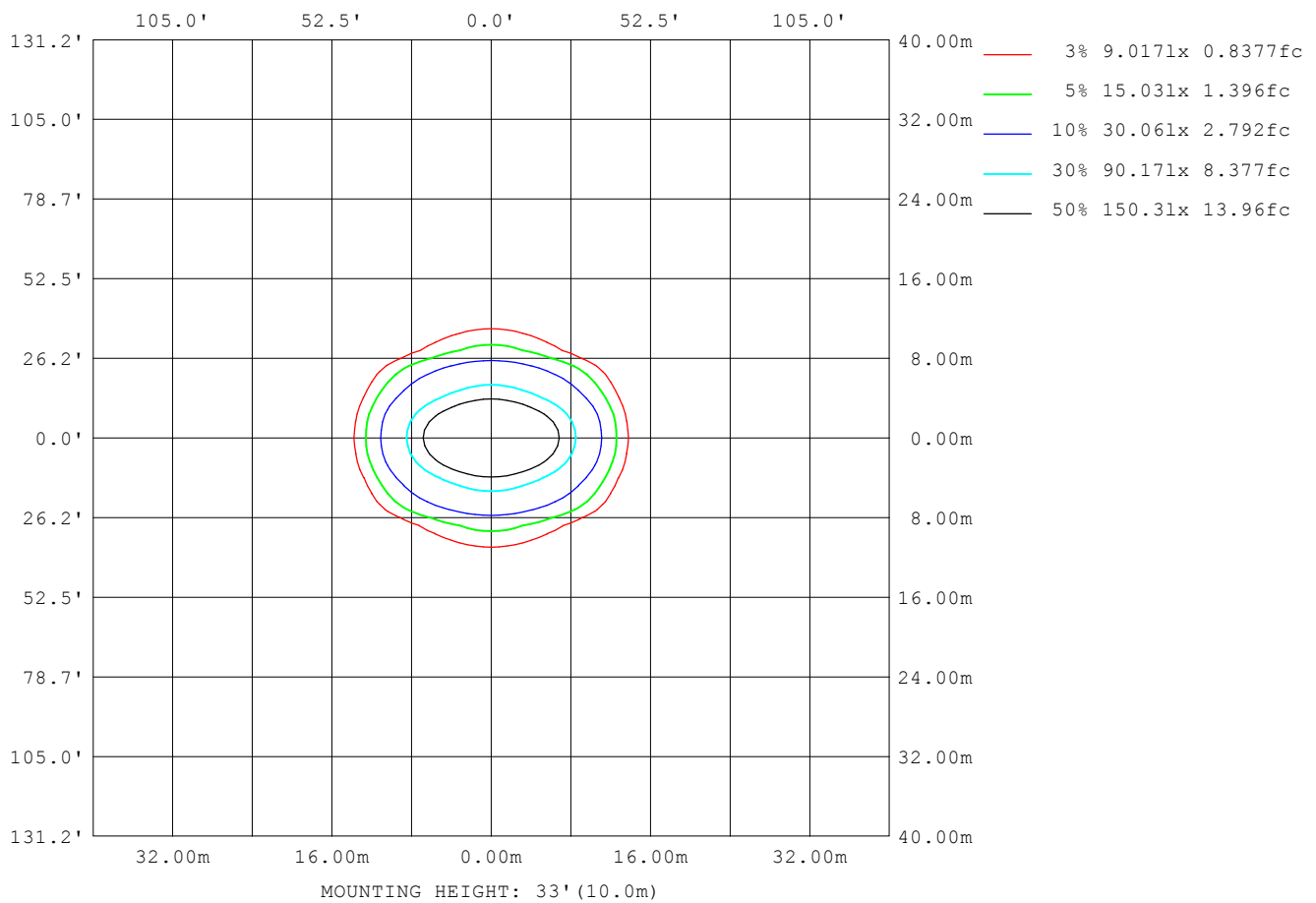
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2017-06-02

$\gamma$  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



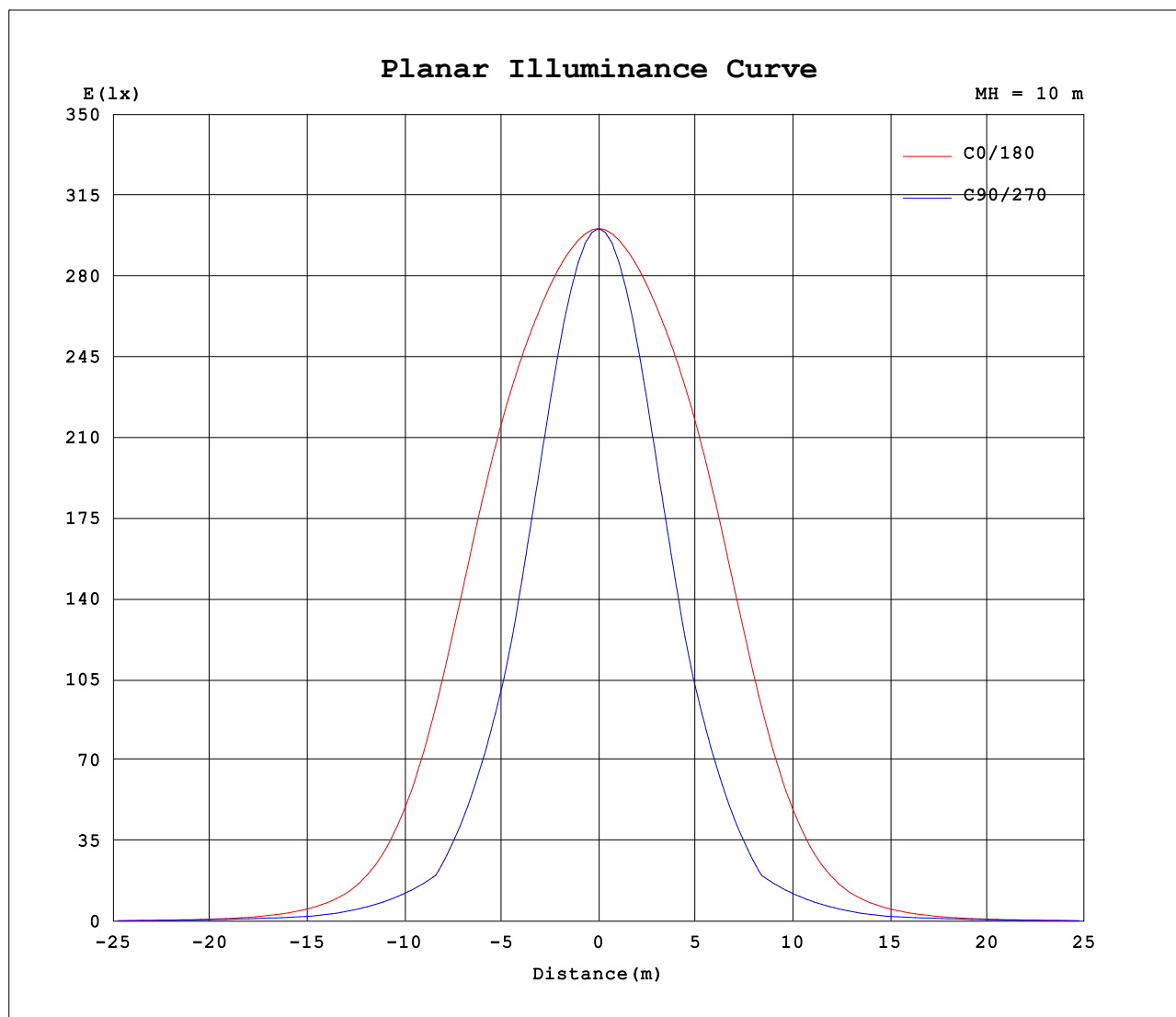
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2017-06-02

$\gamma$  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:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2017-06-02

$\gamma$  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:

Assessor: