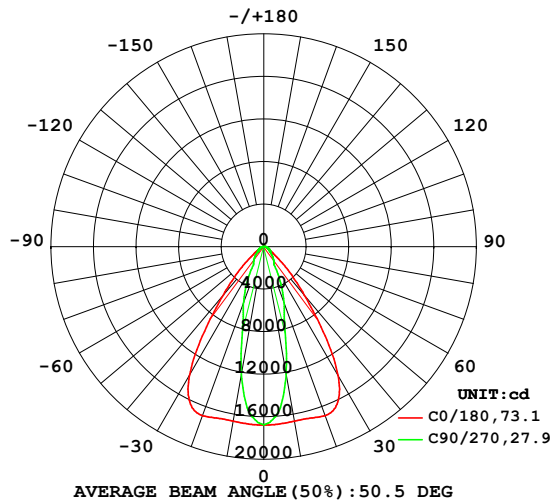


## LUMINAIRE PHOTOMETRIC TEST REPORT

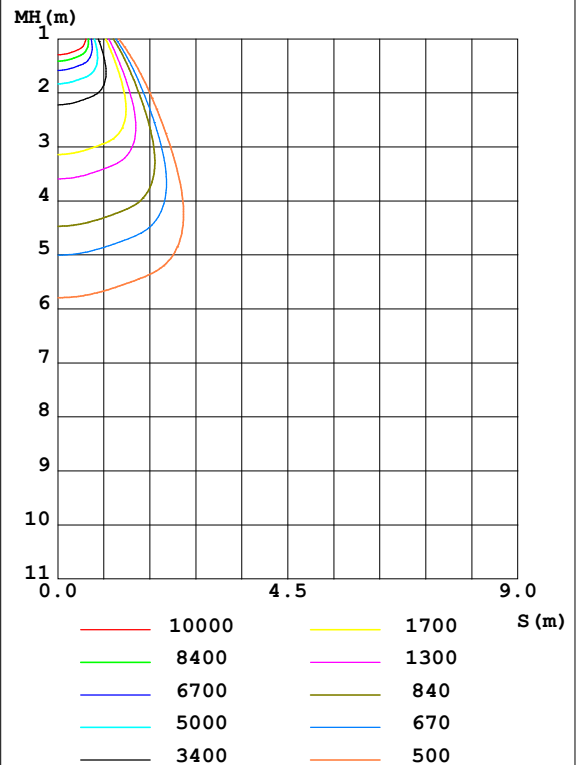
|                                                                   |                         |                  |
|-------------------------------------------------------------------|-------------------------|------------------|
| Test:U:230.0V I:0.4079A P:90.43W PF:0.9638 Lamp Flux:14334.4x1 lm |                         |                  |
| NAME: LHB01-90H                                                   | TYPE:90W                | WEIGHT:          |
| SPEC.:5000K Ra70 3070DEG L06401                                   | DIM.: 0.718*0.137*0.102 | SERIAL No.:      |
| MFR.:                                                             | SUR.:0.7*0.1            | Shielding Angle: |

| DATA OF LAMP     |           | PHOTOMETRIC DATA Eff: 158.52 lm/W |        |                        |          |
|------------------|-----------|-----------------------------------|--------|------------------------|----------|
| MODEL            | LHB01-90H | Imax(cd)                          | 16904  | S/MH(C0/180)           | 1.06     |
| NOMINAL POWER(W) | 90        | LOR(%)                            | 100.0  | S/MH(C90/270)          | 0.47     |
| RATED VOLTAGE(V) | 230       | TOTAL FLUX(lm)                    | 14334  | $\eta$ UP,DN(C0-180)   | 0.0,50.0 |
| NOMINAL FLUX(lm) | 14334.4   | CIE CLASS                         | DIRECT | $\eta$ UP,DN(C180-360) | 0.0,50.0 |
| LAMPS INSIDE     | 1         | $\eta$ up(%)                      | 0.0    | CIBSE SHR NOM          | 0.50     |
| TEST VOLTAGE(V)  | 230       | $\eta$ down(%)                    | 100.0  | CIBSE SHR MAX          | 0.60     |

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:2017-06-05

$\gamma$  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:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

| $\gamma$ | C0                       | C45    | C90    | C135   | C180   | C225   | C270   | C315   | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum, lamp |
|----------|--------------------------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|------------|
| 5        | 1674                     | 1612   | 1562   | 1612   | 1674   | 1612   | 1562   | 1612   | 0- 5     | 392.5       | 392.5        | 2.74,2.74  |
| 10       | 1666                     | 1443   | 1217   | 1443   | 1666   | 1444   | 1217   | 1444   | 5- 10    | 1093        | 1486         | 10.4,10.4  |
| 15       | 1670                     | 1155   | 769.1  | 1155   | 1670   | 1156   | 769.1  | 1156   | 10- 15   | 1550        | 3035         | 21.2,21.2  |
| 20       | 1690                     | 829.9  | 558.8  | 829.9  | 1690   | 831.4  | 558.8  | 831.4  | 15- 20   | 1784        | 4819         | 33.6,33.6  |
| 25       | 1633                     | 657.3  | 378.4  | 657.3  | 1633   | 656.7  | 378.4  | 656.7  | 20- 25   | 1929        | 6749         | 47.1,47.1  |
| 30       | 1399                     | 510.8  | 198.0  | 510.8  | 1399   | 507.1  | 198.0  | 507.1  | 25- 30   | 1880        | 8628         | 60.2,60.2  |
| 35       | 974.3                    | 334.9  | 167.5  | 334.9  | 974.3  | 331.7  | 167.5  | 331.7  | 30- 35   | 1579        | 10207        | 71.2,71.2  |
| 40       | 593.8                    | 168.7  | 137.1  | 168.7  | 593.8  | 169.4  | 137.1  | 169.4  | 35- 40   | 1178        | 11385        | 79.4,79.4  |
| 45       | 358.1                    | 138.0  | 106.6  | 138.0  | 358.1  | 138.0  | 106.6  | 138.0  | 40- 45   | 848.1       | 12233        | 85.3,85.3  |
| 50       | 190.7                    | 108.7  | 76.11  | 108.7  | 190.7  | 108.0  | 76.11  | 108.0  | 45- 50   | 607.7       | 12841        | 89.6,89.6  |
| 55       | 99.21                    | 80.29  | 66.28  | 80.29  | 99.21  | 79.22  | 66.28  | 79.22  | 50- 55   | 426.1       | 13267        | 92.6,92.6  |
| 60       | 60.52                    | 54.92  | 56.44  | 54.92  | 60.52  | 53.76  | 56.44  | 53.76  | 55- 60   | 314.8       | 13582        | 94.8,94.8  |
| 65       | 41.06                    | 43.50  | 46.61  | 43.50  | 41.06  | 42.63  | 46.61  | 42.63  | 60- 65   | 244.6       | 13827        | 96.5,96.5  |
| 70       | 27.43                    | 31.91  | 36.78  | 31.91  | 27.43  | 31.42  | 36.78  | 31.42  | 65- 70   | 190.1       | 14017        | 97.8,97.8  |
| 75       | 17.78                    | 20.41  | 27.74  | 20.41  | 17.78  | 20.40  | 27.74  | 20.40  | 70- 75   | 141.5       | 14158        | 98.8,98.8  |
| 80       | 10.54                    | 13.28  | 18.70  | 13.28  | 10.54  | 13.36  | 18.70  | 13.36  | 75- 80   | 97.57       | 14256        | 99.5,99.5  |
| 85       | 0.5485                   | 6.881  | 9.658  | 6.881  | 0.5485 | 6.974  | 9.658  | 6.974  | 80- 85   | 57.87       | 14314        | 99.9,99.9  |
| 90       | 0.1834                   | 0.5818 | 0.6190 | 0.5818 | 0.1834 | 0.6727 | 0.6190 | 0.6727 | 85- 90   | 20.71       | 14334        | 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): 12233 lm

%lum = 85.3%

%lamp = 85.3%

Conical surface Flux(120deg): 13582 lm

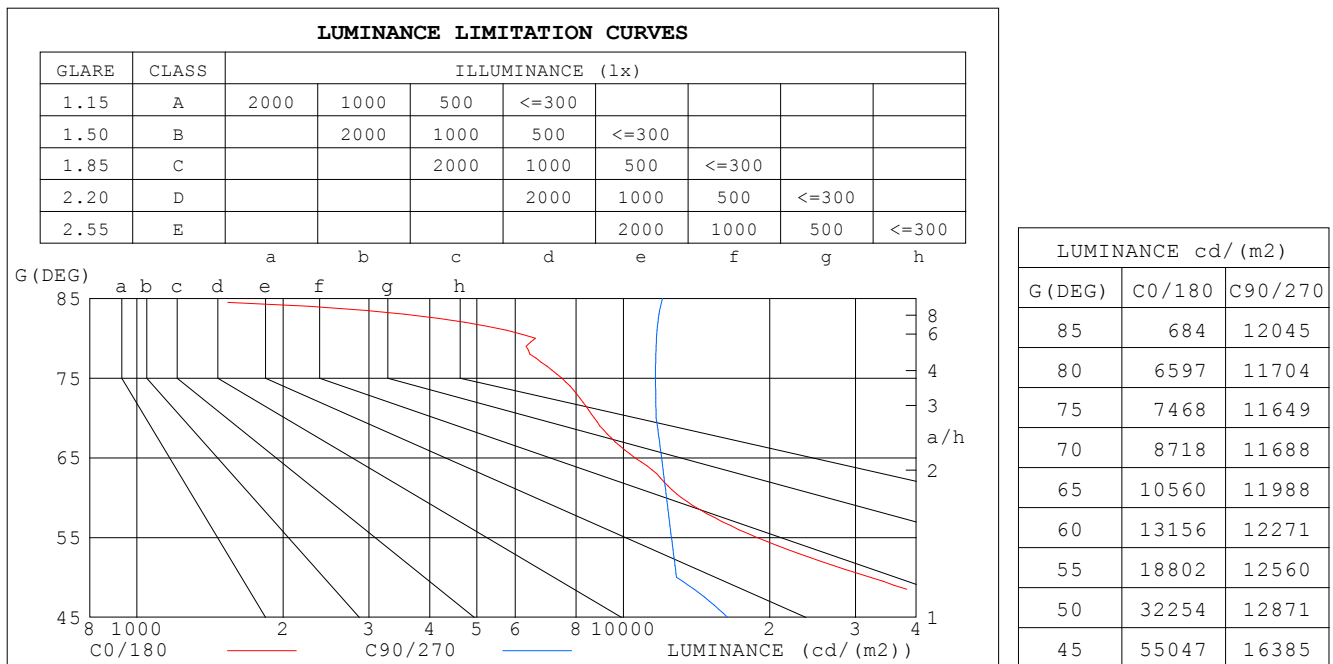
%lum = 94.8%

%lamp = 94.8%

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2017-06-05

$\gamma$  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:

## LUMINANCE LIMITATION CURVES

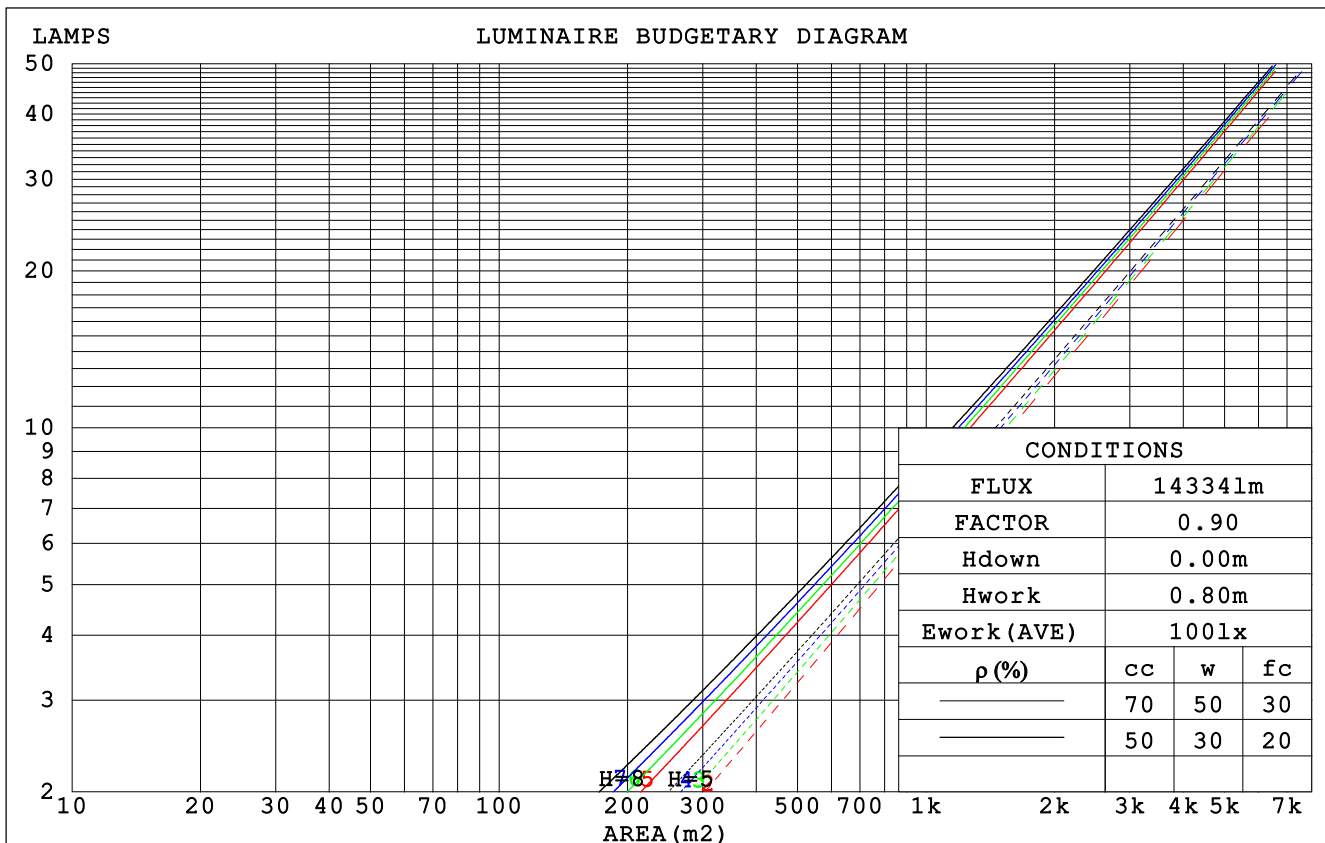


C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2017-06-05

$\gamma$  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:

## 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  | 1.09                  | 1.06 | 1.04 | 1.07                            | 1.04 | 1.02 | 1.03 | 1.01 | .99  | .99  | .97  | .96  | .96  | .94  | .93  | .91  |
| 2.0  | 1.00                  | .95  | .91  | .98                             | .94  | .90  | .95  | .91  | .88  | .92  | .89  | .86  | .89  | .87  | .85  | .83  |
| 3.0  | .92                   | .86  | .82  | .91                             | .85  | .81  | .88  | .84  | .80  | .86  | .82  | .79  | .83  | .80  | .77  | .76  |
| 4.0  | .85                   | .79  | .74  | .84                             | .78  | .74  | .82  | .77  | .73  | .80  | .75  | .72  | .78  | .74  | .71  | .69  |
| 5.0  | .79                   | .73  | .68  | .78                             | .72  | .67  | .76  | .71  | .67  | .74  | .70  | .66  | .73  | .69  | .65  | .64  |
| 6.0  | .74                   | .67  | .62  | .73                             | .67  | .62  | .71  | .66  | .62  | .70  | .65  | .61  | .68  | .64  | .61  | .59  |
| 7.0  | .69                   | .62  | .58  | .68                             | .62  | .57  | .67  | .61  | .57  | .66  | .61  | .57  | .64  | .60  | .56  | .55  |
| 8.0  | .65                   | .58  | .54  | .64                             | .58  | .53  | .63  | .57  | .53  | .62  | .57  | .53  | .61  | .56  | .53  | .51  |
| 9.0  | .61                   | .54  | .50  | .60                             | .54  | .50  | .59  | .54  | .50  | .58  | .53  | .50  | .57  | .53  | .49  | .48  |
| 10.0 | .57                   | .51  | .47  | .57                             | .51  | .47  | .56  | .50  | .47  | .55  | .50  | .46  | .54  | .50  | .46  | .45  |



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2017-06-05

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:

### 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  | .209                  | .119 | .038 | .202 | .115 | .037 | .190                             | .109 | .035 | .178 | .103 | .033 | .167 | .097 | .031 |   |
| 2.0  | .199                  | .109 | .033 | .193 | .107 | .033 | .183                             | .102 | .032 | .173 | .097 | .030 | .163 | .092 | .029 |   |
| 3.0  | .188                  | .100 | .030 | .183 | .098 | .030 | .174                             | .094 | .029 | .165 | .090 | .028 | .157 | .087 | .027 |   |
| 4.0  | .177                  | .092 | .027 | .173 | .091 | .027 | .165                             | .087 | .026 | .157 | .084 | .025 | .150 | .082 | .025 |   |
| 5.0  | .167                  | .085 | .025 | .164 | .084 | .024 | .156                             | .081 | .024 | .150 | .079 | .024 | .144 | .077 | .023 |   |
| 6.0  | .158                  | .079 | .023 | .155 | .078 | .023 | .149                             | .076 | .022 | .143 | .074 | .022 | .137 | .072 | .021 |   |
| 7.0  | .150                  | .074 | .021 | .147 | .073 | .021 | .141                             | .071 | .021 | .136 | .070 | .020 | .131 | .068 | .020 |   |
| 8.0  | .142                  | .070 | .020 | .140 | .069 | .019 | .135                             | .067 | .019 | .130 | .066 | .019 | .126 | .064 | .019 |   |
| 9.0  | .135                  | .066 | .018 | .133 | .065 | .018 | .129                             | .064 | .018 | .124 | .062 | .018 | .120 | .061 | .018 |   |
| 10.0 | .129                  | .062 | .017 | .127 | .061 | .017 | .123                             | .060 | .017 | .119 | .059 | .017 | .116 | .058 | .017 |   |

| 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  | .173                  | .157 | .142 | .148 | .135 | .122 | .101                                       | .093 | .085 | .058 | .054 | .049 | .019 | .017 | .016 |   |
| 2.0  | .160                  | .132 | .109 | .137 | .114 | .094 | .094                                       | .079 | .066 | .054 | .046 | .039 | .017 | .015 | .013 |   |
| 3.0  | .149                  | .114 | .086 | .127 | .098 | .074 | .088                                       | .068 | .052 | .051 | .040 | .031 | .016 | .013 | .010 |   |
| 4.0  | .139                  | .099 | .069 | .119 | .086 | .060 | .082                                       | .060 | .042 | .047 | .035 | .025 | .015 | .011 | .008 |   |
| 5.0  | .131                  | .088 | .057 | .112 | .076 | .049 | .077                                       | .053 | .035 | .045 | .031 | .021 | .014 | .010 | .007 |   |
| 6.0  | .123                  | .079 | .047 | .106 | .068 | .041 | .073                                       | .048 | .029 | .042 | .028 | .017 | .014 | .009 | .006 |   |
| 7.0  | .117                  | .072 | .040 | .101 | .062 | .035 | .070                                       | .044 | .025 | .040 | .026 | .015 | .013 | .008 | .005 |   |
| 8.0  | .111                  | .066 | .034 | .096 | .057 | .030 | .066                                       | .040 | .021 | .038 | .024 | .013 | .012 | .008 | .004 |   |
| 9.0  | .106                  | .060 | .030 | .091 | .052 | .026 | .063                                       | .037 | .018 | .037 | .022 | .011 | .012 | .007 | .004 |   |
| 10.0 | .101                  | .056 | .026 | .087 | .049 | .023 | .060                                       | .034 | .016 | .035 | .020 | .010 | .011 | .007 | .003 |   |

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2017-06-05

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:

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                                      | 23.2             | 24.3 | 23.4 | 24.4 | 24.6 | 17.7           | 18.8 | 18.0 | 19.0 | 19.2 |
| 3H                                                 | 23.3             | 24.3 | 23.5 | 24.5 | 24.7 | 19.1           | 20.1 | 19.3 | 20.3 | 20.5 |
| 4H                                                 | 23.3             | 24.2 | 23.6 | 24.5 | 24.7 | 19.7           | 20.7 | 20.0 | 20.9 | 21.1 |
| 6H                                                 | 23.3             | 24.2 | 23.6 | 24.4 | 24.7 | 20.3           | 21.2 | 20.6 | 21.4 | 21.7 |
| 8H                                                 | 23.3             | 24.1 | 23.6 | 24.4 | 24.7 | 20.5           | 21.4 | 20.8 | 21.6 | 21.9 |
| 12H                                                | 23.2             | 24.1 | 23.6 | 24.3 | 24.6 | 20.7           | 21.5 | 21.0 | 21.8 | 22.1 |
| 4H 2H                                              | 23.1             | 24.0 | 23.4 | 24.3 | 24.5 | 18.3           | 19.2 | 18.6 | 19.4 | 19.7 |
| 3H                                                 | 23.3             | 24.1 | 23.6 | 24.4 | 24.7 | 19.7           | 20.5 | 20.0 | 20.8 | 21.1 |
| 4H                                                 | 23.4             | 24.1 | 23.7 | 24.4 | 24.8 | 20.5           | 21.2 | 20.8 | 21.5 | 21.8 |
| 6H                                                 | 23.5             | 24.1 | 23.8 | 24.5 | 24.8 | 21.2           | 21.8 | 21.6 | 22.2 | 22.5 |
| 8H                                                 | 23.5             | 24.1 | 23.9 | 24.4 | 24.8 | 21.5           | 22.1 | 21.9 | 22.5 | 22.8 |
| 12H                                                | 23.5             | 24.0 | 23.9 | 24.4 | 24.8 | 21.7           | 22.3 | 22.2 | 22.7 | 23.1 |
| 8H 4H                                              | 23.4             | 24.0 | 23.8 | 24.3 | 24.7 | 20.6           | 21.2 | 21.0 | 21.6 | 22.0 |
| 6H                                                 | 23.5             | 24.0 | 23.9 | 24.4 | 24.8 | 21.5           | 22.0 | 21.9 | 22.4 | 22.8 |
| 8H                                                 | 23.6             | 24.0 | 24.0 | 24.4 | 24.9 | 21.9           | 22.3 | 22.3 | 22.7 | 23.2 |
| 12H                                                | 23.6             | 24.0 | 24.1 | 24.4 | 24.9 | 22.2           | 22.6 | 22.7 | 23.1 | 23.5 |
| 12H 4H                                             | 23.4             | 23.9 | 23.8 | 24.3 | 24.7 | 20.6           | 21.2 | 21.0 | 21.6 | 21.9 |
| 6H                                                 | 23.5             | 24.0 | 24.0 | 24.4 | 24.8 | 21.5           | 22.0 | 22.0 | 22.4 | 22.8 |
| 8H                                                 | 23.6             | 24.0 | 24.1 | 24.4 | 24.9 | 21.9           | 22.3 | 22.4 | 22.8 | 23.2 |
| Variations with the observer position at spacings: |                  |      |      |      |      |                |      |      |      |      |
| S = 1.0H                                           | + 2.9 / - 2.4    |      |      |      |      | + 0.4 / - 0.4  |      |      |      |      |
| 1.5H                                               | + 4.2 / - 2.9    |      |      |      |      | + 0.2 / - 0.4  |      |      |      |      |
| 2.0H                                               | + 4.4 / - 2.0    |      |      |      |      | + 0.3 / - 0.2  |      |      |      |      |

CIE Pub.117 Corrected 14334 lm Total Lamp Luminous Flux.(8log(F/F0) = 9.3)

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2017-06-05

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:

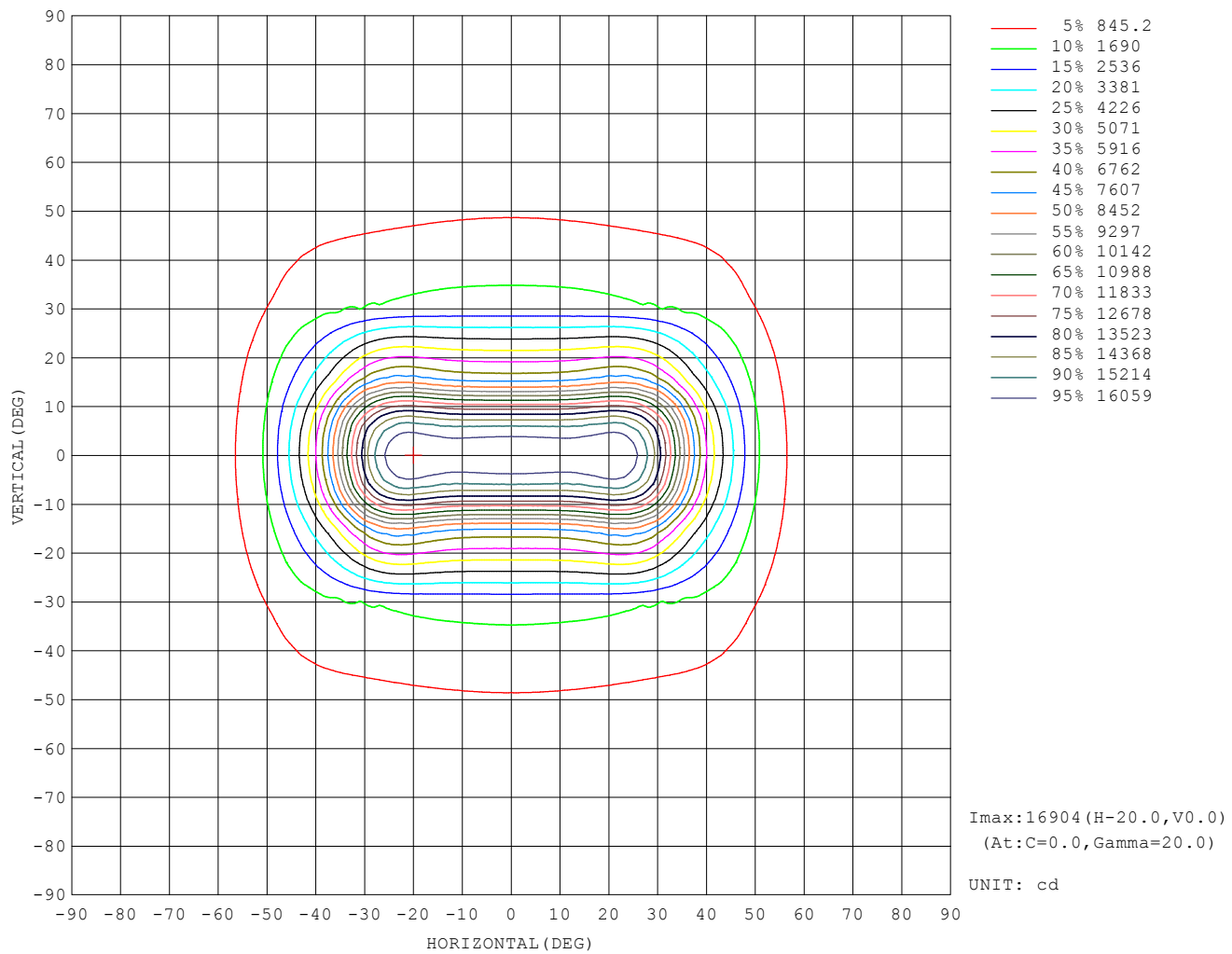
### UTILIZATION FACTORS TABLE

| 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 79                                                   | 71  | 66        | 78  | 71  | 66  | 77  | 70            | 66  | 61     |
| 0.80                             | 87                                                   | 80  | 75        | 86  | 79  | 75  | 85  | 79            | 74  | 70     |
| 1.00                             | 93                                                   | 86  | 81        | 92  | 85  | 81  | 90  | 86            | 80  | 76     |
| 1.25                             | 98                                                   | 91  | 87        | 97  | 91  | 86  | 95  | 89            | 86  | 81     |
| 1.50                             | 101                                                  | 95  | 91        | 100 | 94  | 90  | 97  | 93            | 89  | 84     |
| 2.00                             | 105                                                  | 100 | 96        | 104 | 99  | 95  | 101 | 97            | 93  | 88     |
| 2.50                             | 107                                                  | 102 | 99        | 106 | 101 | 98  | 102 | 99            | 96  | 89     |
| 3.00                             | 109                                                  | 105 | 102       | 107 | 104 | 100 | 104 | 101           | 98  | 91     |
| 4.00                             | 112                                                  | 108 | 105       | 110 | 107 | 104 | 106 | 103           | 101 | 94     |
| 5.00                             | 113                                                  | 110 | 108       | 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: 2017-06-05

$\gamma$  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:

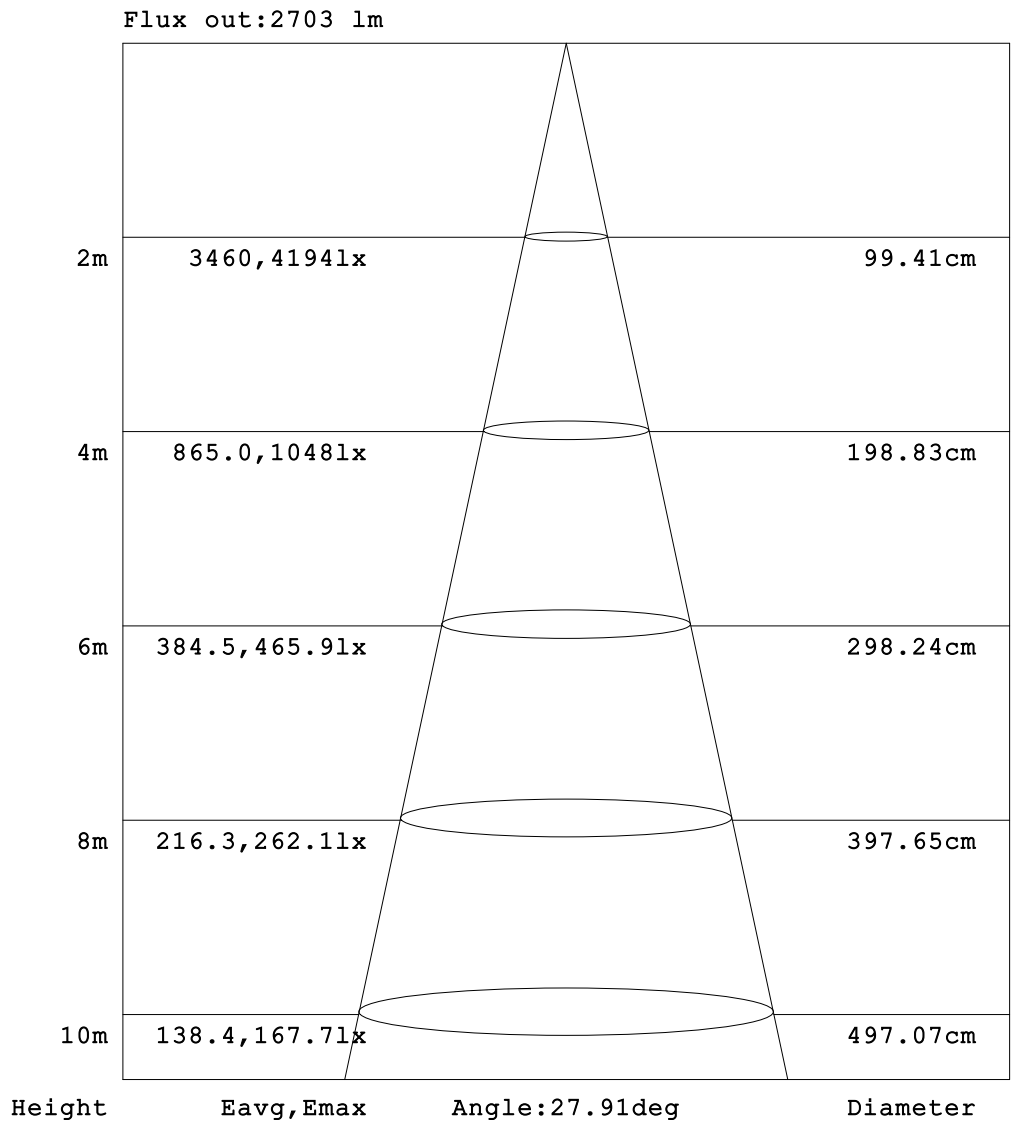
## ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2017-06-05

$\gamma$  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:

## AAI Figure

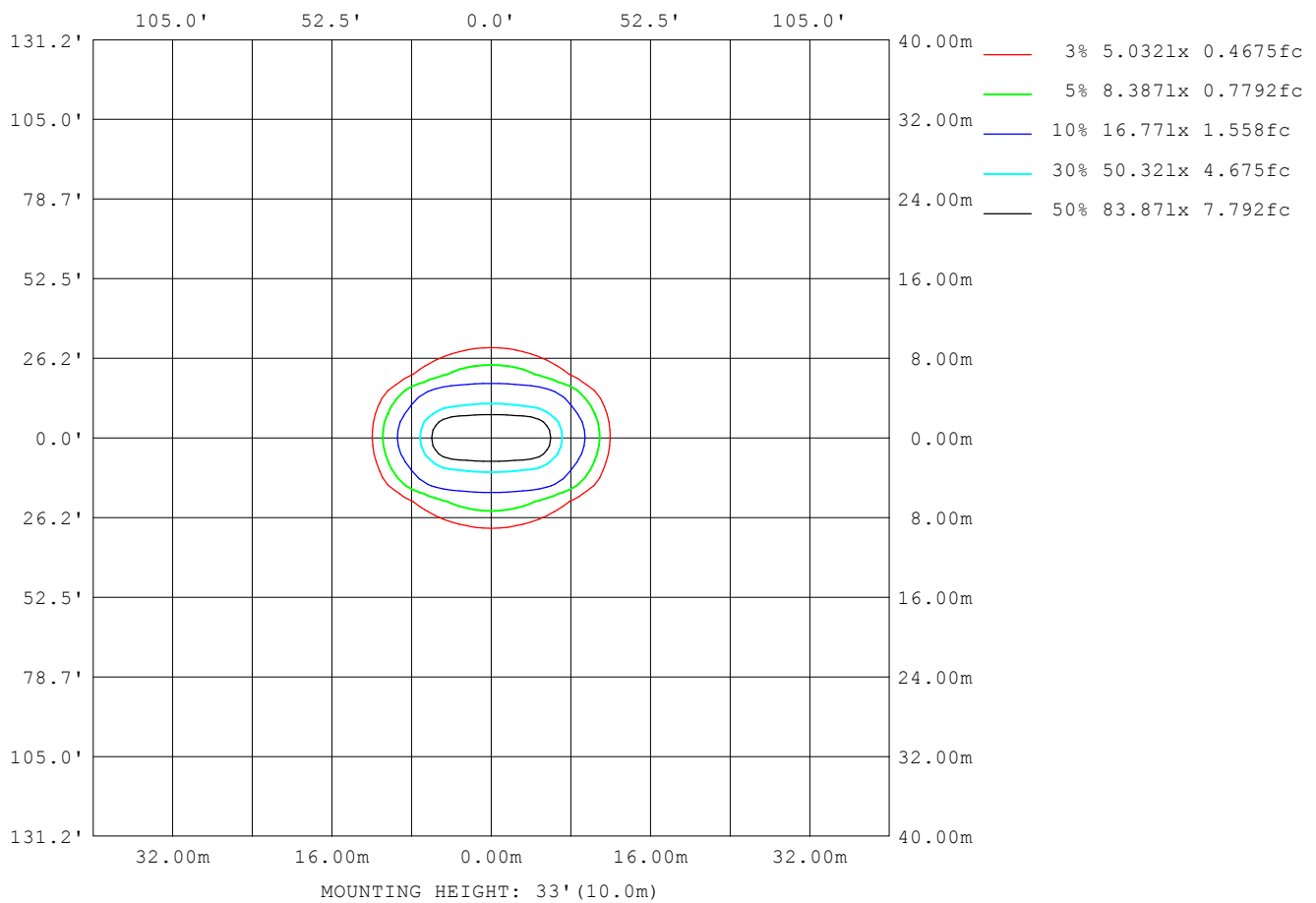


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2017-06-05

$\gamma$  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:

# ISOLUX DIAGRAM



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2017-06-05

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:

## LED Avg.L Report

|                                                                   |                         |                  |
|-------------------------------------------------------------------|-------------------------|------------------|
| Test:U:230.0V I:0.4079A P:90.43W PF:0.9638 Lamp Flux:14334.4x1 lm |                         |                  |
| NAME: LHB01-90H                                                   | TYPE:90W                | WEIGHT:          |
| SPEC.:5000K Ra70 3070DEG L06401                                   | DIM.: 0.718*0.137*0.102 | SERIAL No.:      |
| MFR.:                                                             | SUR.:0.7*0.1            | Shielding Angle: |

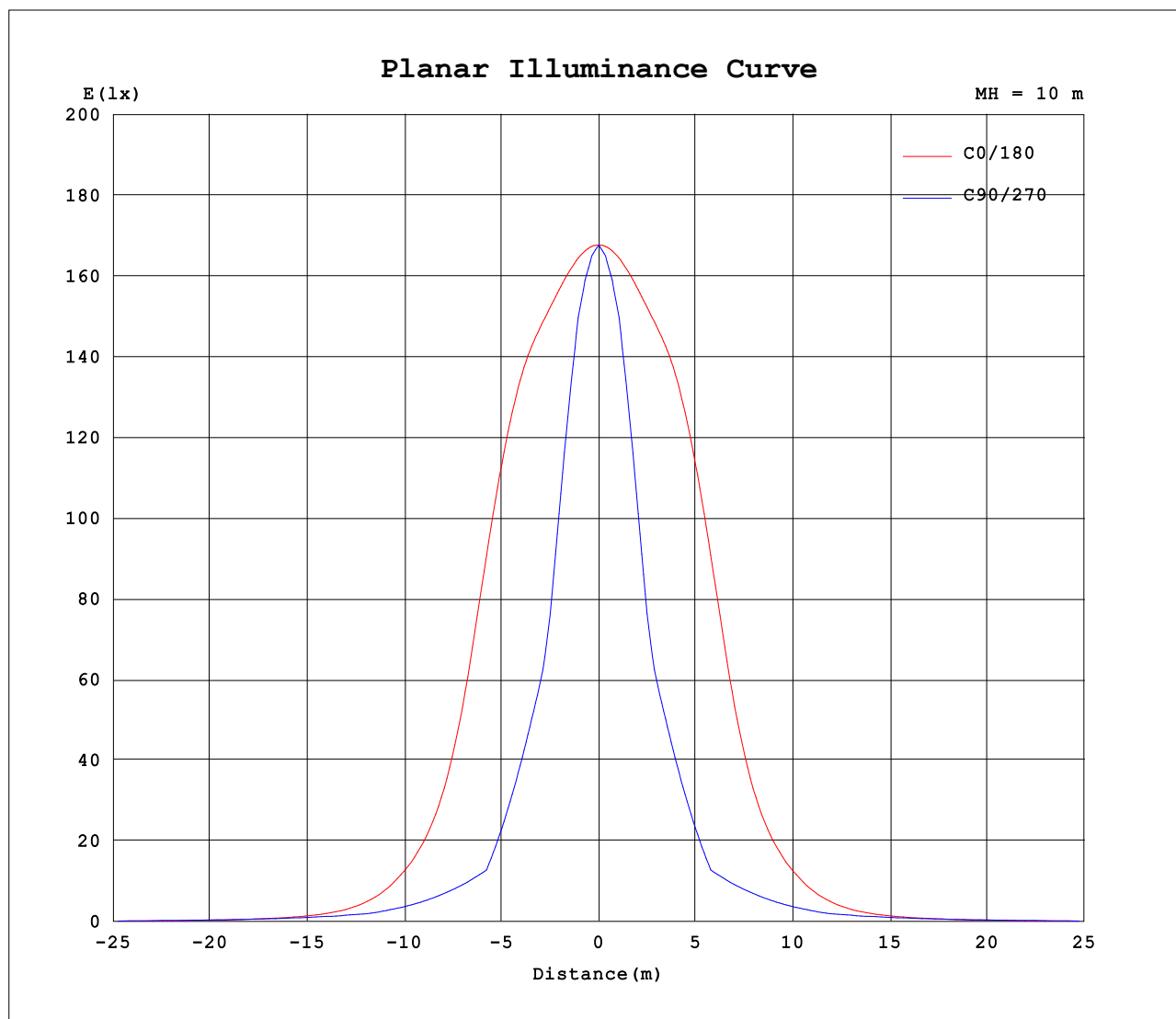
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 10560 |
| L_0~180 (75) av  | 7468  |
| L_0~180 (85) av  | 684   |
| L_90~270 (65) av | 11988 |
| L_90~270 (75) av | 11649 |
| L_90~270 (85) av | 12045 |
| L_45 (65) av     | 11076 |
| L_45 (75) av     | 8571  |
| L_45 (85) av     | 8640  |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2017-06-05

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:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2017-06-05

$\gamma$  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:

```

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

```

```

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

```

```

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

```

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

```

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:

```