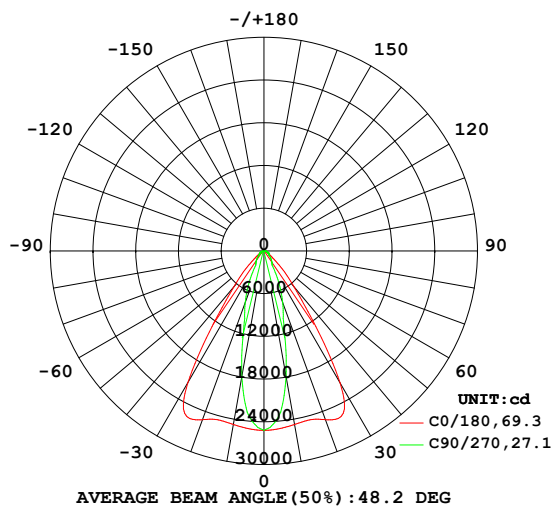


## LUMINAIRE PHOTOMETRIC TEST REPORT

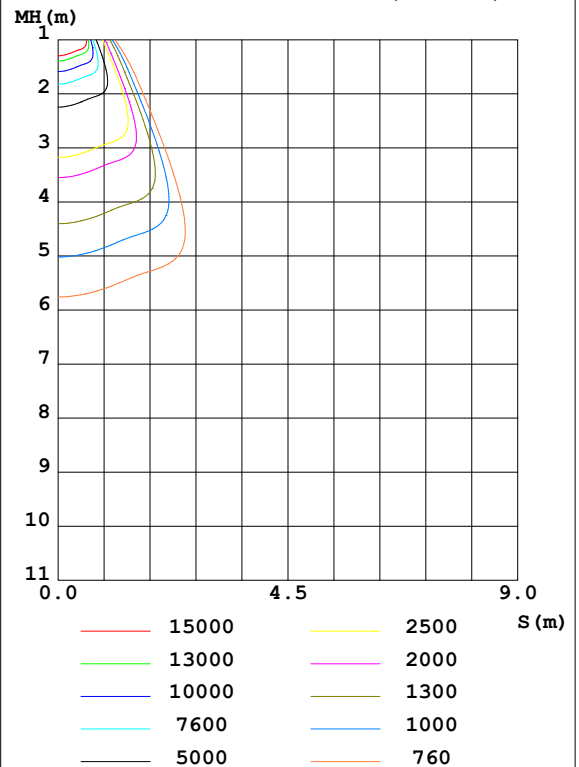
|                                                                   |                         |                  |
|-------------------------------------------------------------------|-------------------------|------------------|
| Test:U:230.0V I:0.5399A P:120.6W PF:0.9712 Lamp Flux:19484.5x1 lm |                         |                  |
| NAME: LHB01-120                                                   | TYPE:120W               | WEIGHT:          |
| SPEC.:5000K Ra70 3070DEG L06401                                   | DIM.: 0.948*0.137*0.102 | SERIAL No.:      |
| MFR.:                                                             | SUR.:0.92*0.1           | Shielding Angle: |

| DATA OF LAMP     |           | PHOTOMETRIC DATA Eff: 161.54 lm/W |        |                    |          |
|------------------|-----------|-----------------------------------|--------|--------------------|----------|
| MODEL            | LHB01-120 | I <sub>max</sub> (cd)             | 25730  | S/MH (C0/180)      | 1.00     |
| NOMINAL POWER(W) | 120       | LOR(%)                            | 100.0  | S/MH (C90/270)     | 0.46     |
| RATED VOLTAGE(V) | 230       | TOTAL FLUX(lm)                    | 19485  | η UP,DN (C0-180)   | 0.0,50.0 |
| NOMINAL FLUX(lm) | 19484.5   | CIE CLASS                         | DIRECT | η UP,DN (C180-360) | 0.0,50.0 |
| LAMPS INSIDE     | 1         | η up (%)                          | 0.0    | CIBSE SHR NOM      | 0.50     |
| TEST VOLTAGE(V)  | 230       | η down (%)                        | 100.0  | CIBSE SHR MAX      | 0.50     |

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:2017-05-05

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:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

| $\gamma$ | C0                       | C45    | C90    | C135   | C180   | C225   | C270   | C315   | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum,lamp |
|----------|--------------------------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|-----------|
| 5        | 2505                     | 2410   | 2337   | 2410   | 2505   | 2412   | 2337   | 2412   | 0- 5     | 588.3       | 588.3        | 3.02,3.02 |
| 10       | 2476                     | 2132   | 1792   | 2132   | 2476   | 2132   | 1792   | 2132   | 5- 10    | 1627        | 2215         | 11.4,11.4 |
| 15       | 2458                     | 1672   | 1089   | 1672   | 2458   | 1665   | 1089   | 1665   | 10- 15   | 2270        | 4485         | 23,23     |
| 20       | 2522                     | 1162   | 769.5  | 1162   | 2522   | 1139   | 769.5  | 1139   | 15- 20   | 2561        | 7046         | 36.2,36.2 |
| 25       | 2565                     | 909.1  | 500.3  | 909.1  | 2565   | 877.9  | 500.3  | 877.9  | 20- 25   | 2776        | 9822         | 50.4,50.4 |
| 30       | 2141                     | 697.9  | 231.0  | 697.9  | 2141   | 683.0  | 231.0  | 683.0  | 25- 30   | 2735        | 12557        | 64.4,64.4 |
| 35       | 1204                     | 440.5  | 196.2  | 440.5  | 1204   | 441.1  | 196.2  | 441.1  | 30- 35   | 2142        | 14699        | 75.4,75.4 |
| 40       | 656.7                    | 193.6  | 161.4  | 193.6  | 656.7  | 193.7  | 161.4  | 193.7  | 35- 40   | 1410        | 16109        | 82.7,82.7 |
| 45       | 387.3                    | 155.9  | 126.5  | 155.9  | 387.3  | 156.0  | 126.5  | 156.0  | 40- 45   | 961.7       | 17071        | 87.6,87.6 |
| 50       | 191.4                    | 123.1  | 91.69  | 123.1  | 191.4  | 122.2  | 91.69  | 122.2  | 45- 50   | 680.6       | 17751        | 91.1,91.1 |
| 55       | 101.4                    | 92.11  | 80.45  | 92.11  | 101.4  | 91.12  | 80.45  | 91.12  | 50- 55   | 476.8       | 18228        | 93.6,93.6 |
| 60       | 67.68                    | 63.87  | 69.20  | 63.87  | 67.68  | 62.92  | 69.20  | 62.92  | 55- 60   | 359.2       | 18587        | 95.4,95.4 |
| 65       | 47.38                    | 50.76  | 57.96  | 50.76  | 47.38  | 50.03  | 57.96  | 50.03  | 60- 65   | 285.4       | 18872        | 96.9,96.9 |
| 70       | 33.11                    | 37.53  | 46.71  | 37.53  | 33.11  | 37.05  | 46.71  | 37.05  | 65- 70   | 225.7       | 19098        | 98,98     |
| 75       | 22.34                    | 24.49  | 35.23  | 24.49  | 22.34  | 24.32  | 35.23  | 24.32  | 70- 75   | 170.8       | 19269        | 98.9,98.9 |
| 80       | 13.26                    | 16.03  | 23.74  | 16.03  | 13.26  | 15.97  | 23.74  | 15.97  | 75- 80   | 118.9       | 19388        | 99.5,99.5 |
| 85       | 2.655                    | 8.326  | 12.26  | 8.326  | 2.655  | 8.357  | 12.26  | 8.357  | 80- 85   | 71.07       | 19459        | 99.9,99.9 |
| 90       | 0.2615                   | 0.7181 | 0.7745 | 0.7181 | 0.2615 | 0.8242 | 0.7745 | 0.8242 | 85- 90   | 25.57       | 19485        | 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): 17071 lm

%lum = 87.6%

%lamp = 87.6%

Conical surface Flux(120deg): 18587 lm

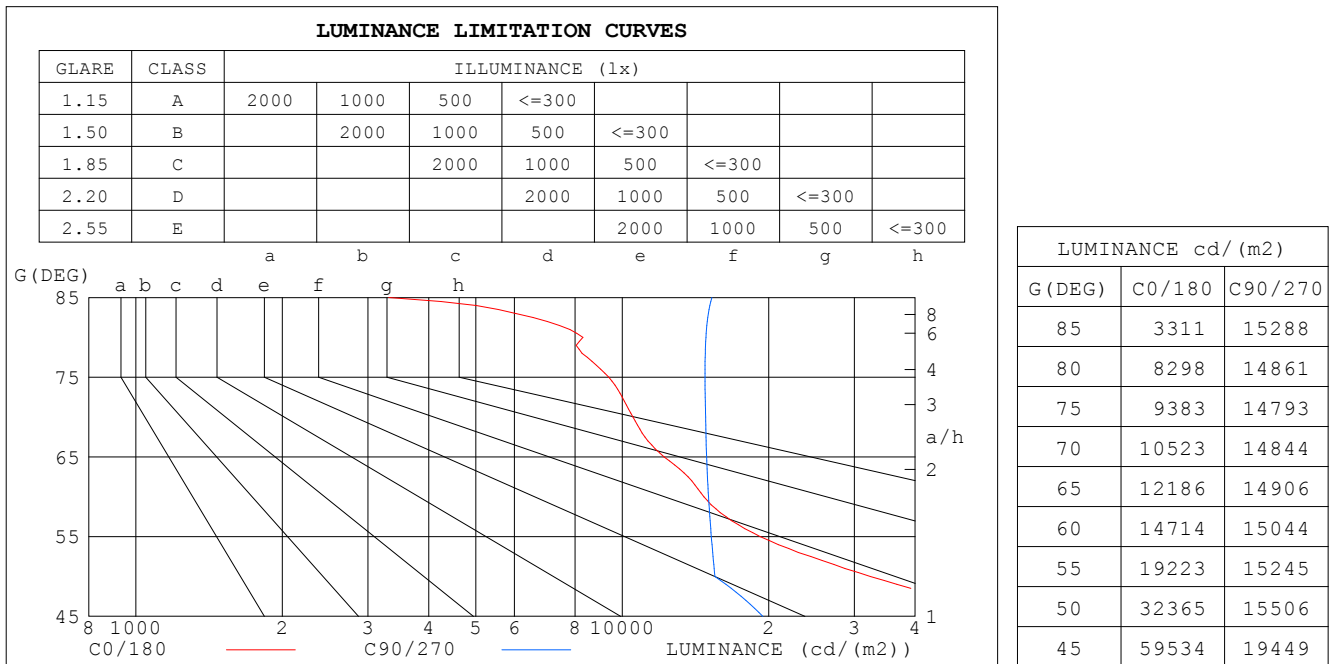
%lum = 95.4%

%lamp = 95.4%

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

$\gamma$  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

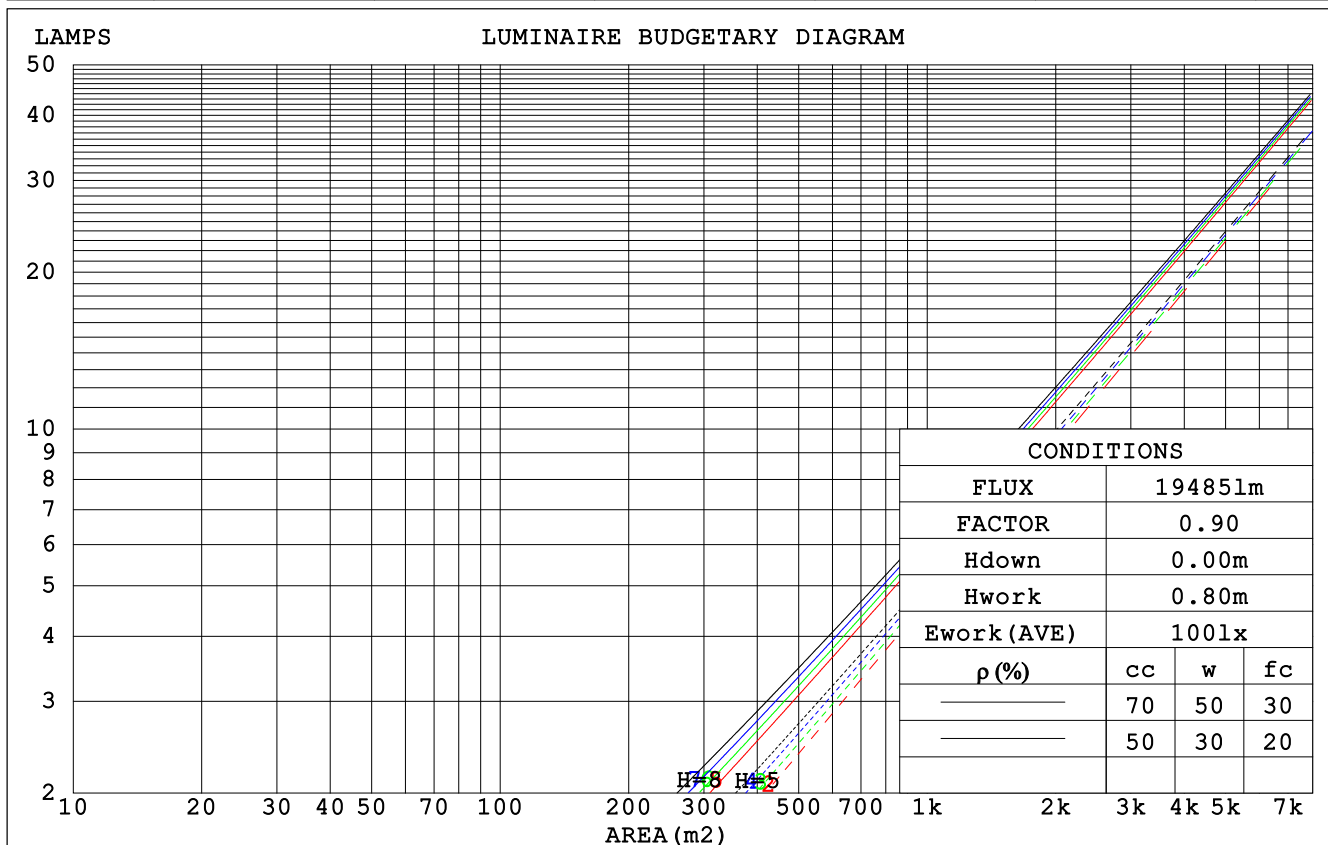


C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2017-05-05

$\gamma$  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    |
|-----------------|-----------------------|------|------|---------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| p <sub>w</sub>  | 50%                   | 30%  | 10%  | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0    |
| p <sub>fc</sub> | 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                  | 1.07 | 1.04 | 1.07                            | 1.05 | 1.02 | 1.03 | 1.01 | .99  | .99  | .98  | .96  | .96  | .95  | .94  | .92  |
| 2.0             | 1.01                  | .96  | .92  | .99                             | .95  | .91  | .96  | .92  | .89  | .93  | .90  | .87  | .90  | .88  | .86  | .84  |
| 3.0             | .93                   | .88  | .83  | .92                             | .87  | .83  | .89  | .85  | .81  | .87  | .83  | .80  | .84  | .81  | .79  | .77  |
| 4.0             | .87                   | .80  | .76  | .85                             | .80  | .75  | .83  | .78  | .74  | .81  | .77  | .74  | .79  | .76  | .73  | .71  |
| 5.0             | .81                   | .74  | .70  | .80                             | .74  | .69  | .78  | .73  | .69  | .76  | .72  | .68  | .74  | .71  | .67  | .66  |
| 6.0             | .75                   | .69  | .64  | .75                             | .68  | .64  | .73  | .68  | .64  | .72  | .67  | .63  | .70  | .66  | .63  | .61  |
| 7.0             | .71                   | .64  | .60  | .70                             | .64  | .60  | .69  | .63  | .59  | .67  | .63  | .59  | .66  | .62  | .59  | .57  |
| 8.0             | .66                   | .60  | .56  | .66                             | .60  | .56  | .65  | .59  | .55  | .64  | .59  | .55  | .63  | .58  | .55  | .53  |
| 9.0             | .63                   | .56  | .52  | .62                             | .56  | .52  | .61  | .56  | .52  | .60  | .55  | .52  | .59  | .55  | .52  | .50  |
| 10.0            | .59                   | .53  | .49  | .59                             | .53  | .49  | .58  | .53  | .49  | .57  | .52  | .49  | .56  | .52  | .49  | .47  |



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

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  | .202                  | .115 | .036 | .195 | .111 | .035 | .183                             | .105 | .033 | .171 | .099 | .032 | .160 | .093 | .030 |   |
| 2.0  | .192                  | .105 | .032 | .186 | .103 | .032 | .176                             | .098 | .030 | .166 | .093 | .029 | .156 | .088 | .028 |   |
| 3.0  | .181                  | .096 | .029 | .176 | .094 | .028 | .167                             | .091 | .028 | .158 | .087 | .027 | .151 | .083 | .026 |   |
| 4.0  | .171                  | .089 | .026 | .167 | .087 | .026 | .159                             | .084 | .025 | .151 | .081 | .024 | .144 | .078 | .024 |   |
| 5.0  | .161                  | .082 | .024 | .158 | .081 | .024 | .151                             | .078 | .023 | .144 | .076 | .023 | .138 | .074 | .022 |   |
| 6.0  | .153                  | .077 | .022 | .150 | .076 | .022 | .143                             | .073 | .021 | .138 | .072 | .021 | .132 | .070 | .021 |   |
| 7.0  | .145                  | .072 | .020 | .142 | .071 | .020 | .137                             | .069 | .020 | .131 | .067 | .020 | .127 | .066 | .019 |   |
| 8.0  | .138                  | .067 | .019 | .135 | .067 | .019 | .130                             | .065 | .019 | .126 | .064 | .018 | .121 | .062 | .018 |   |
| 9.0  | .131                  | .064 | .018 | .129 | .063 | .018 | .125                             | .062 | .017 | .120 | .060 | .017 | .117 | .059 | .017 |   |
| 10.0 | .125                  | .060 | .017 | .123 | .060 | .017 | .119                             | .058 | .016 | .116 | .057 | .016 | .112 | .056 | .016 |   |

| ρcc  | 80%                   |      |      | 70%  |      |      | 50%                                        |      |      | 30%  |      |      | 10%  |      |      | 0 |
|------|-----------------------|------|------|------|------|------|--------------------------------------------|------|------|------|------|------|------|------|------|---|
| ρw   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                                        | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| ρfc  | 20%                   |      |      | 20%  |      |      | 20%                                        |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR  | RCR:Room Cavity Ratio |      |      |      |      |      | Ceiling Cavity Exitance Coefficients(CCEC) |      |      |      |      |      |      |      |      |   |
| 0.0  | .190                  | .190 | .190 | .163 | .163 | .163 | .111                                       | .111 | .111 | .064 | .064 | .064 | .020 | .020 | .020 |   |
| 1.0  | .173                  | .157 | .143 | .148 | .135 | .123 | .101                                       | .093 | .085 | .058 | .054 | .049 | .019 | .017 | .016 |   |
| 2.0  | .159                  | .132 | .110 | .136 | .114 | .095 | .093                                       | .079 | .066 | .054 | .046 | .039 | .017 | .015 | .013 |   |
| 3.0  | .147                  | .114 | .087 | .126 | .098 | .075 | .087                                       | .068 | .053 | .050 | .040 | .031 | .016 | .013 | .010 |   |
| 4.0  | .138                  | .099 | .070 | .118 | .086 | .061 | .081                                       | .060 | .043 | .047 | .035 | .025 | .015 | .011 | .008 |   |
| 5.0  | .129                  | .088 | .057 | .111 | .076 | .050 | .076                                       | .053 | .035 | .044 | .031 | .021 | .014 | .010 | .007 |   |
| 6.0  | .122                  | .079 | .048 | .105 | .068 | .042 | .072                                       | .048 | .030 | .042 | .028 | .018 | .014 | .009 | .006 |   |
| 7.0  | .115                  | .071 | .041 | .099 | .062 | .035 | .068                                       | .043 | .025 | .040 | .026 | .015 | .013 | .008 | .005 |   |
| 8.0  | .109                  | .065 | .035 | .094 | .056 | .030 | .065                                       | .040 | .022 | .038 | .023 | .013 | .012 | .008 | .004 |   |
| 9.0  | .104                  | .060 | .030 | .090 | .052 | .026 | .062                                       | .037 | .019 | .036 | .022 | .011 | .012 | .007 | .004 |   |
| 10.0 | .099                  | .056 | .027 | .085 | .048 | .023 | .059                                       | .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:2017-05-05

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                                      | 23.5             | 24.5 | 23.7 | 24.7 | 24.9 | 17.9           | 18.9 | 18.1 | 19.1 | 19.2 |
| 3H                                                 | 23.6             | 24.5 | 23.8 | 24.7 | 24.9 | 19.3           | 20.2 | 19.5 | 20.4 | 20.6 |
| 4H                                                 | 23.6             | 24.5 | 23.9 | 24.7 | 25.0 | 19.9           | 20.9 | 20.2 | 21.1 | 21.3 |
| 6H                                                 | 23.6             | 24.4 | 23.9 | 24.7 | 24.9 | 20.6           | 21.4 | 20.9 | 21.7 | 21.9 |
| 8H                                                 | 23.6             | 24.4 | 23.9 | 24.7 | 24.9 | 20.8           | 21.6 | 21.1 | 21.9 | 22.1 |
| 12H                                                | 23.6             | 24.3 | 23.9 | 24.6 | 24.9 | 21.0           | 21.8 | 21.3 | 22.1 | 22.3 |
| 4H 2H                                              | 23.4             | 24.3 | 23.7 | 24.5 | 24.7 | 18.4           | 19.3 | 18.6 | 19.5 | 19.7 |
| 3H                                                 | 23.6             | 24.3 | 23.9 | 24.6 | 24.9 | 19.9           | 20.7 | 20.2 | 20.9 | 21.2 |
| 4H                                                 | 23.7             | 24.4 | 24.0 | 24.7 | 25.0 | 20.7           | 21.4 | 21.0 | 21.7 | 22.0 |
| 6H                                                 | 23.7             | 24.4 | 24.1 | 24.7 | 25.1 | 21.4           | 22.1 | 21.8 | 22.4 | 22.7 |
| 8H                                                 | 23.8             | 24.3 | 24.2 | 24.7 | 25.1 | 21.7           | 22.3 | 22.1 | 22.7 | 23.1 |
| 12H                                                | 23.7             | 24.3 | 24.2 | 24.7 | 25.1 | 22.0           | 22.5 | 22.4 | 22.9 | 23.3 |
| 8H 4H                                              | 23.6             | 24.2 | 24.0 | 24.6 | 25.0 | 20.8           | 21.4 | 21.2 | 21.8 | 22.1 |
| 6H                                                 | 23.8             | 24.3 | 24.2 | 24.7 | 25.1 | 21.7           | 22.2 | 22.1 | 22.6 | 23.0 |
| 8H                                                 | 23.8             | 24.3 | 24.3 | 24.7 | 25.1 | 22.1           | 22.5 | 22.6 | 23.0 | 23.4 |
| 12H                                                | 23.9             | 24.2 | 24.4 | 24.7 | 25.2 | 22.5           | 22.9 | 23.0 | 23.3 | 23.8 |
| 12H 4H                                             | 23.6             | 24.2 | 24.0 | 24.5 | 24.9 | 20.8           | 21.4 | 21.2 | 21.7 | 22.1 |
| 6H                                                 | 23.8             | 24.2 | 24.2 | 24.6 | 25.1 | 21.7           | 22.2 | 22.2 | 22.6 | 23.0 |
| 8H                                                 | 23.9             | 24.2 | 24.3 | 24.7 | 25.1 | 22.2           | 22.5 | 22.6 | 23.0 | 23.5 |
| Variations with the observer position at spacings: |                  |      |      |      |      |                |      |      |      |      |
| S = 1.0H                                           | + 2.9 / - 2.4    |      |      |      |      | + 0.3 / - 0.4  |      |      |      |      |
| 1.5H                                               | + 4.4 / - 2.6    |      |      |      |      | + 0.2 / - 0.3  |      |      |      |      |
| 2.0H                                               | + 4.2 / - 1.7    |      |      |      |      | + 0.4 / - 0.3  |      |      |      |      |

CIE Pub.117 Corrected 19485 lm Total Lamp Luminous Flux.(8log(F/F0) = 10.3)

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

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:

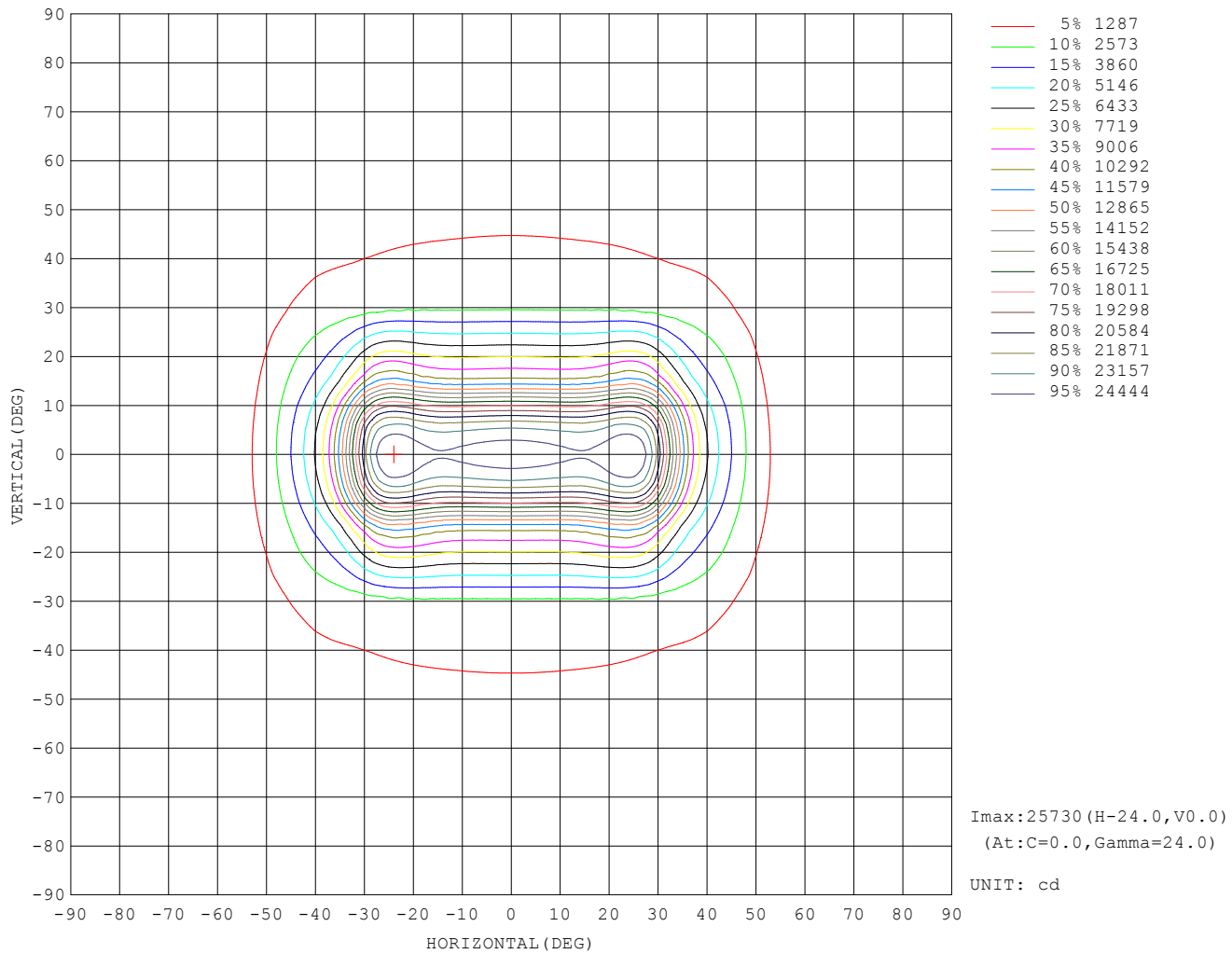
### UTILIZATION FACTORS TABLE

| 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) $k(RI) \times RCR = 5$ |     |     |           |     |     |     |               |     |        |
| $k = 0.60$                       | 81                                                   | 73  | 69  | 80        | 73  | 69  | 79  | 73            | 69  | 64     |
| 0.80                             | 89                                                   | 82  | 77  | 88        | 81  | 77  | 87  | 81            | 77  | 72     |
| 1.00                             | 94                                                   | 88  | 83  | 93        | 87  | 83  | 92  | 87            | 82  | 78     |
| 1.25                             | 99                                                   | 93  | 89  | 98        | 92  | 88  | 96  | 91            | 87  | 82     |
| 1.50                             | 102                                                  | 96  | 92  | 101       | 96  | 92  | 99  | 94            | 91  | 86     |
| 2.00                             | 106                                                  | 101 | 97  | 104       | 100 | 96  | 101 | 98            | 95  | 89     |
| 2.50                             | 108                                                  | 103 | 100 | 106       | 102 | 99  | 103 | 100           | 97  | 90     |
| 3.00                             | 110                                                  | 106 | 102 | 108       | 104 | 101 | 104 | 102           | 99  | 92     |
| 4.00                             | 112                                                  | 109 | 106 | 110       | 107 | 105 | 106 | 104           | 102 | 95     |
| 5.00                             | 114                                                  | 111 | 109 | 111       | 109 | 107 | 107 | 106           | 104 | 96     |
| 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: 2017-05-05

$\gamma$  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:

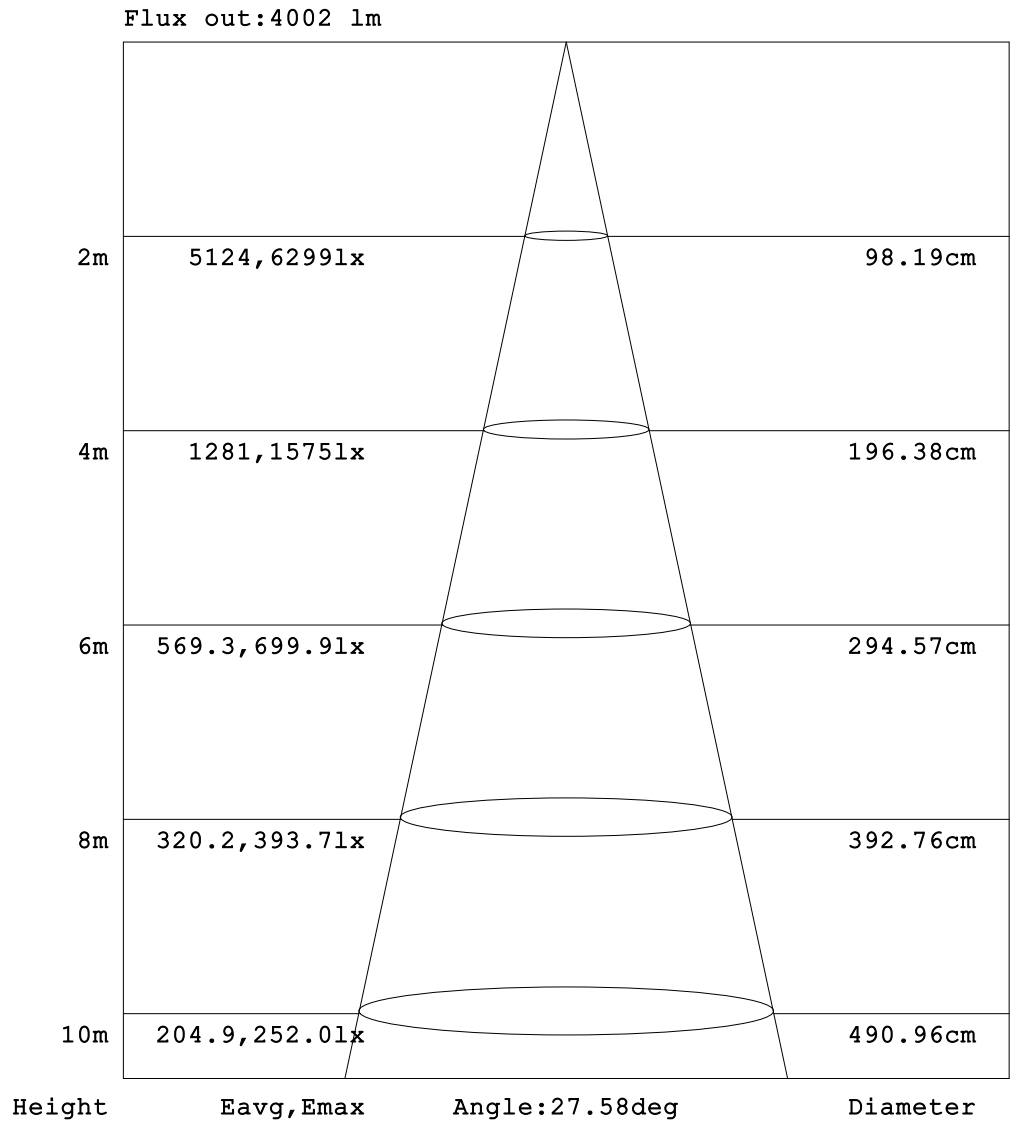
### ISOCANDELA DIAGRAM



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

$\gamma$  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

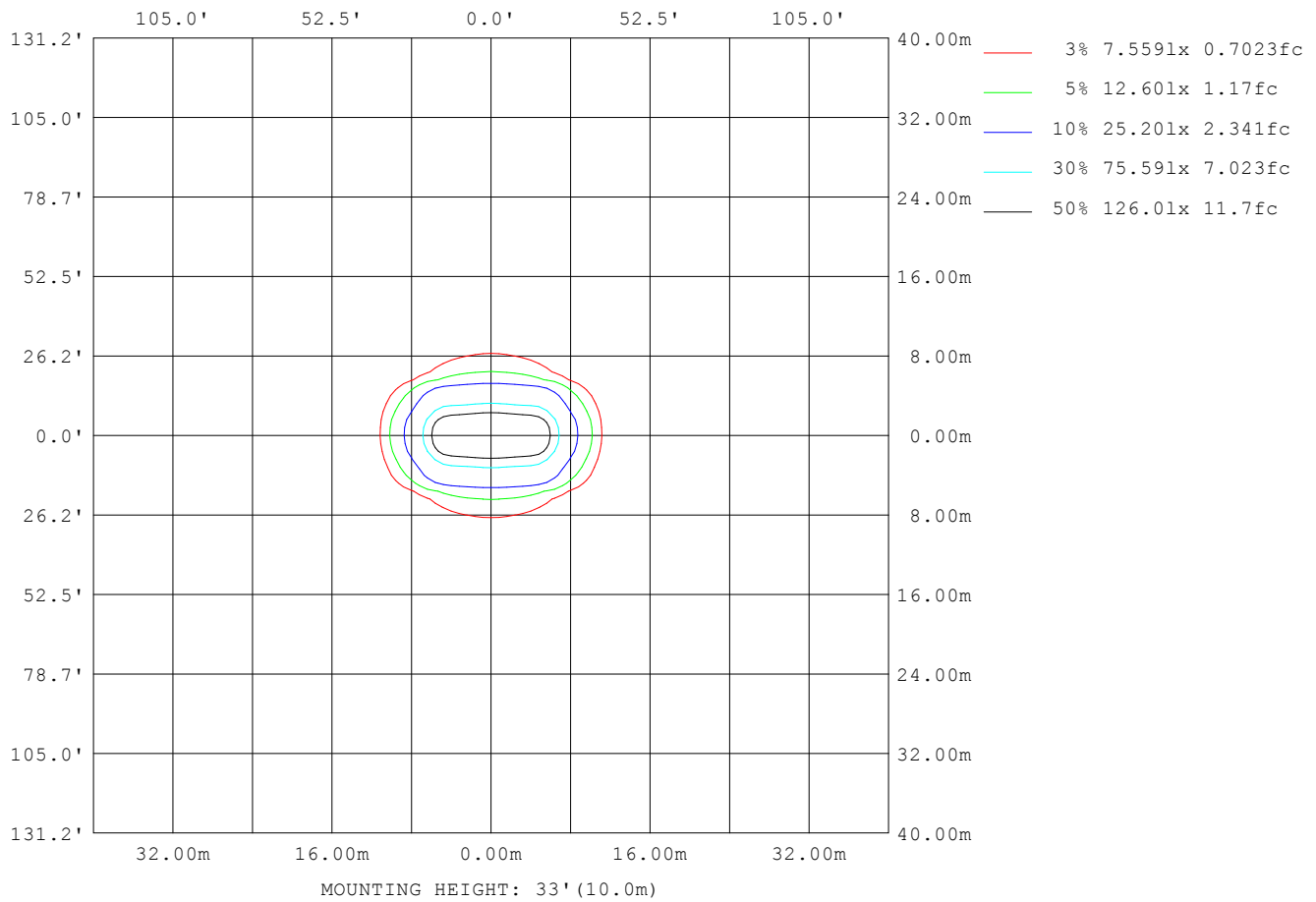


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

$\gamma$  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: 2017-05-05

$\gamma$  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:

## LED Avg.L Report

|                                                                   |                         |                  |
|-------------------------------------------------------------------|-------------------------|------------------|
| Test:U:230.0V I:0.5399A P:120.6W PF:0.9712 Lamp Flux:19484.5x1 lm |                         |                  |
| NAME: LHB01-120                                                   | TYPE:120W               | WEIGHT:          |
| SPEC.:5000K Ra70 3070DEG L06401                                   | DIM.: 0.948*0.137*0.102 | SERIAL No.:      |
| MFR.:                                                             | SUR.:0.92*0.1           | Shielding Angle: |

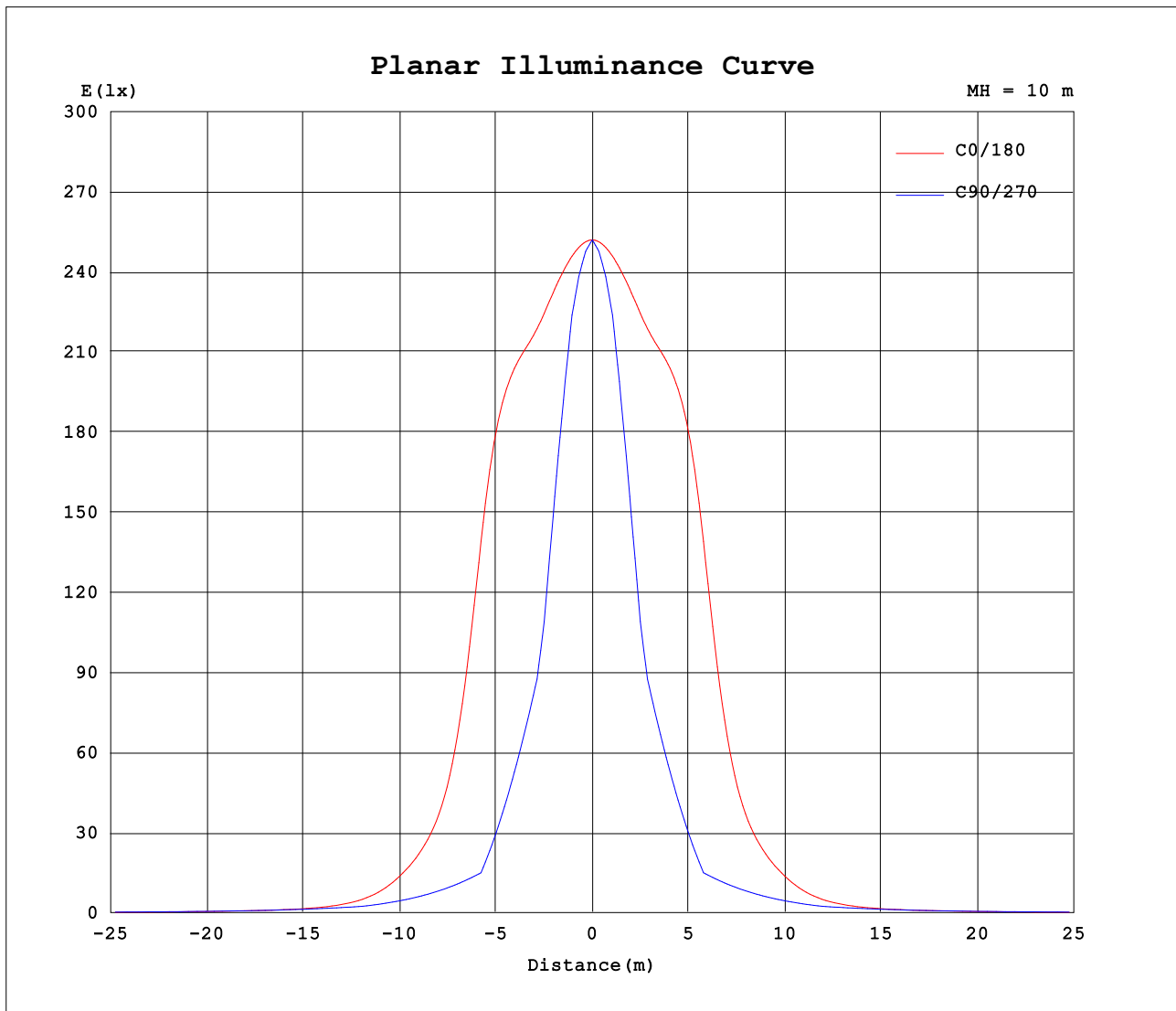
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 12186 |
| L_0~180 (75) av  | 9383  |
| L_0~180 (85) av  | 3311  |
| L_90~270 (65) av | 14906 |
| L_90~270 (75) av | 14793 |
| L_90~270 (85) av | 15288 |
| L_45 (65) av     | 12962 |
| L_45 (75) av     | 10249 |
| L_45 (85) av     | 10403 |

Standard: GB/T 29293-2012

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

$\gamma$  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:

## Planar Illuminance Curve



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

$\gamma$  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:

```

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:

```

```

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:

```

```

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:

```

```

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:

```