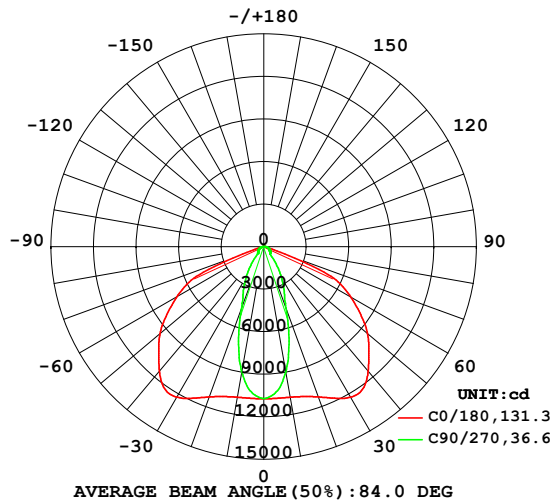


## LUMINAIRE PHOTOMETRIC TEST REPORT

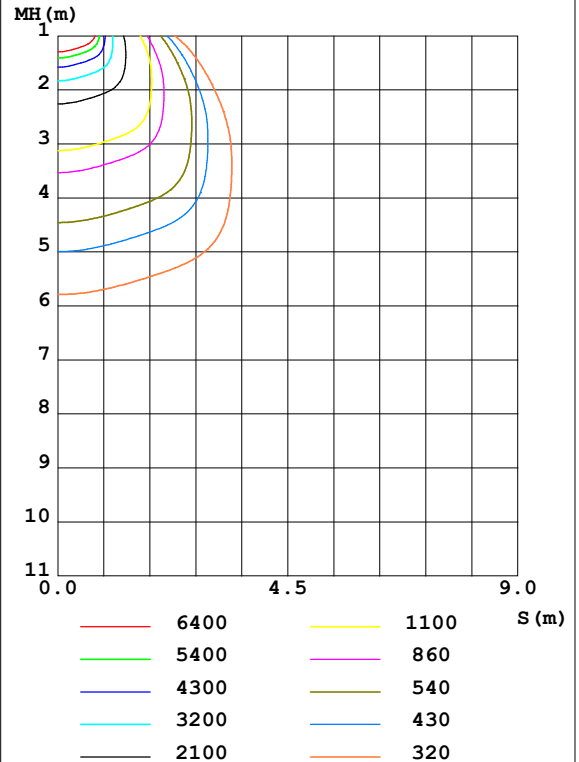
|                                                                   |                         |                  |
|-------------------------------------------------------------------|-------------------------|------------------|
| Test:U:230.0V I:0.5361A P:120.2W PF:0.9743 Lamp Flux:15575.1x1 lm |                         |                  |
| NAME: LHB01-120                                                   | TYPE:120W               | WEIGHT:          |
| SPEC.:5000K Ra70 40130DEG L02804                                  | DIM.: 0.948*0.137*0.102 | SERIAL No.:      |
| MFR.:                                                             | SUR.:0.92*0.1           | Shielding Angle: |

| DATA OF LAMP     |           | PHOTOMETRIC DATA Eff: 129.63 lm/W |        |                   |          |
|------------------|-----------|-----------------------------------|--------|-------------------|----------|
| MODEL            | LHB01-120 | I <sub>max</sub> (cd)             | 12337  | S/MH(C0/180)      | 1.64     |
| NOMINAL POWER(W) | 120       | LOR(%)                            | 100.0  | S/MH(C90/270)     | 0.60     |
| RATED VOLTAGE(V) | 230       | TOTAL FLUX(lm)                    | 15575  | η UP,DN(C0-180)   | 0.0,49.8 |
| NOMINAL FLUX(lm) | 15575.1   | CIE CLASS                         | DIRECT | η UP,DN(C180-360) | 0.0,50.2 |
| LAMPS INSIDE     | 1         | η up(%)                           | 0.0    | CIBSE SHR NOM     | 0.50     |
| TEST VOLTAGE(V)  | 230       | η down(%)                         | 100.0  | CIBSE SHR MAX     | 0.70     |

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:2017-04-01

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        | 1074                     | 1047   | 1028   | 1047   | 1074   | 1049   | 1028   | 1049   | 0- 5     | 253.2       | 253.2        | 1.63,1.63 |
| 10       | 1078                     | 982.4  | 897.8  | 982.4  | 1078   | 988.1  | 897.8  | 988.1  | 5- 10    | 728.2       | 981.4        | 6.3,6.3   |
| 15       | 1094                     | 869.9  | 690.4  | 869.9  | 1094   | 878.1  | 690.4  | 878.1  | 10- 15   | 1108        | 2089         | 13.4,13.4 |
| 20       | 1128                     | 719.8  | 459.6  | 719.8  | 1128   | 726.0  | 459.6  | 726.0  | 15- 20   | 1349        | 3438         | 22.1,22.1 |
| 25       | 1180                     | 551.2  | 342.1  | 551.2  | 1180   | 551.4  | 342.1  | 551.4  | 20- 25   | 1474        | 4912         | 31.5,31.5 |
| 30       | 1226                     | 414.7  | 251.5  | 414.7  | 1226   | 409.9  | 251.5  | 409.9  | 25- 30   | 1564        | 6477         | 41.6,41.6 |
| 35       | 1222                     | 344.0  | 160.8  | 344.0  | 1222   | 339.0  | 160.8  | 339.0  | 30- 35   | 1591        | 8068         | 51.8,51.8 |
| 40       | 1146                     | 264.0  | 70.19  | 264.0  | 1146   | 259.8  | 70.19  | 259.8  | 35- 40   | 1505        | 9572         | 61.5,61.5 |
| 45       | 1049                     | 173.0  | 61.71  | 173.0  | 1049   | 169.5  | 61.71  | 169.5  | 40- 45   | 1336        | 10908        | 70,70     |
| 50       | 956.3                    | 74.70  | 56.03  | 74.70  | 956.3  | 70.23  | 56.03  | 70.23  | 45- 50   | 1184        | 12092        | 77.6,77.6 |
| 55       | 834.6                    | 57.38  | 50.70  | 57.38  | 834.6  | 54.48  | 50.70  | 54.48  | 50- 55   | 1034        | 13126        | 84.3,84.3 |
| 60       | 707.2                    | 48.28  | 45.37  | 48.28  | 707.2  | 45.90  | 45.37  | 45.90  | 55- 60   | 870.8       | 13997        | 89.9,89.9 |
| 65       | 565.2                    | 38.90  | 39.79  | 38.90  | 565.2  | 37.26  | 39.79  | 37.26  | 60- 65   | 705.9       | 14703        | 94.4,94.4 |
| 70       | 189.3                    | 28.18  | 32.17  | 28.18  | 189.3  | 27.67  | 32.17  | 27.67  | 65- 70   | 484.8       | 15187        | 97.5,97.5 |
| 75       | 28.69                    | 19.90  | 24.30  | 19.90  | 28.69  | 19.90  | 24.30  | 19.90  | 70- 75   | 207.3       | 15395        | 98.8,98.8 |
| 80       | 10.86                    | 13.48  | 16.43  | 13.48  | 10.86  | 13.51  | 16.43  | 13.51  | 75- 80   | 101.7       | 15496        | 99.5,99.5 |
| 85       | 2.418                    | 7.095  | 8.563  | 7.095  | 2.418  | 7.155  | 8.563  | 7.155  | 80- 85   | 57.16       | 15554        | 99.9,99.9 |
| 90       | 0.7563                   | 0.7305 | 0.6941 | 0.7305 | 0.7563 | 0.8212 | 0.6941 | 0.8212 | 85- 90   | 21.49       | 15575        | 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): 10908 lm

%lum = 70.0%

%lamp = 70.0%

Conical surface Flux(120deg): 13997 lm

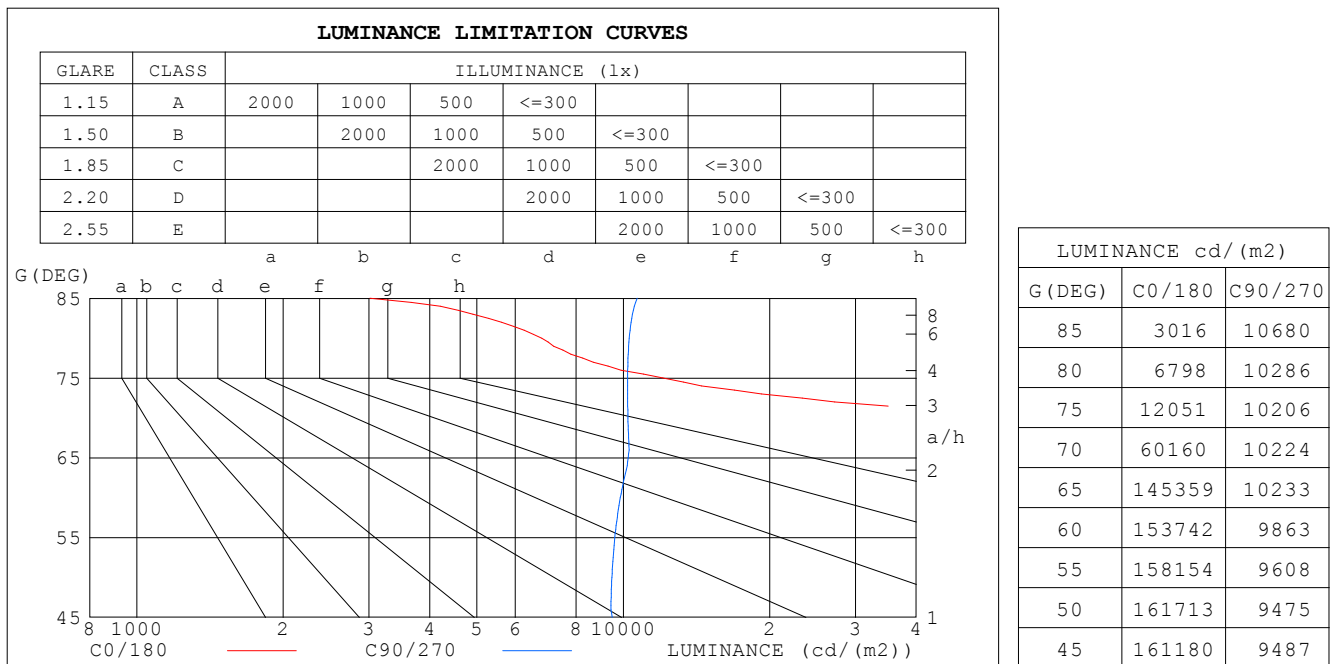
%lum = 89.9%

%lamp = 89.9%

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2017-04-01

$\gamma$  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

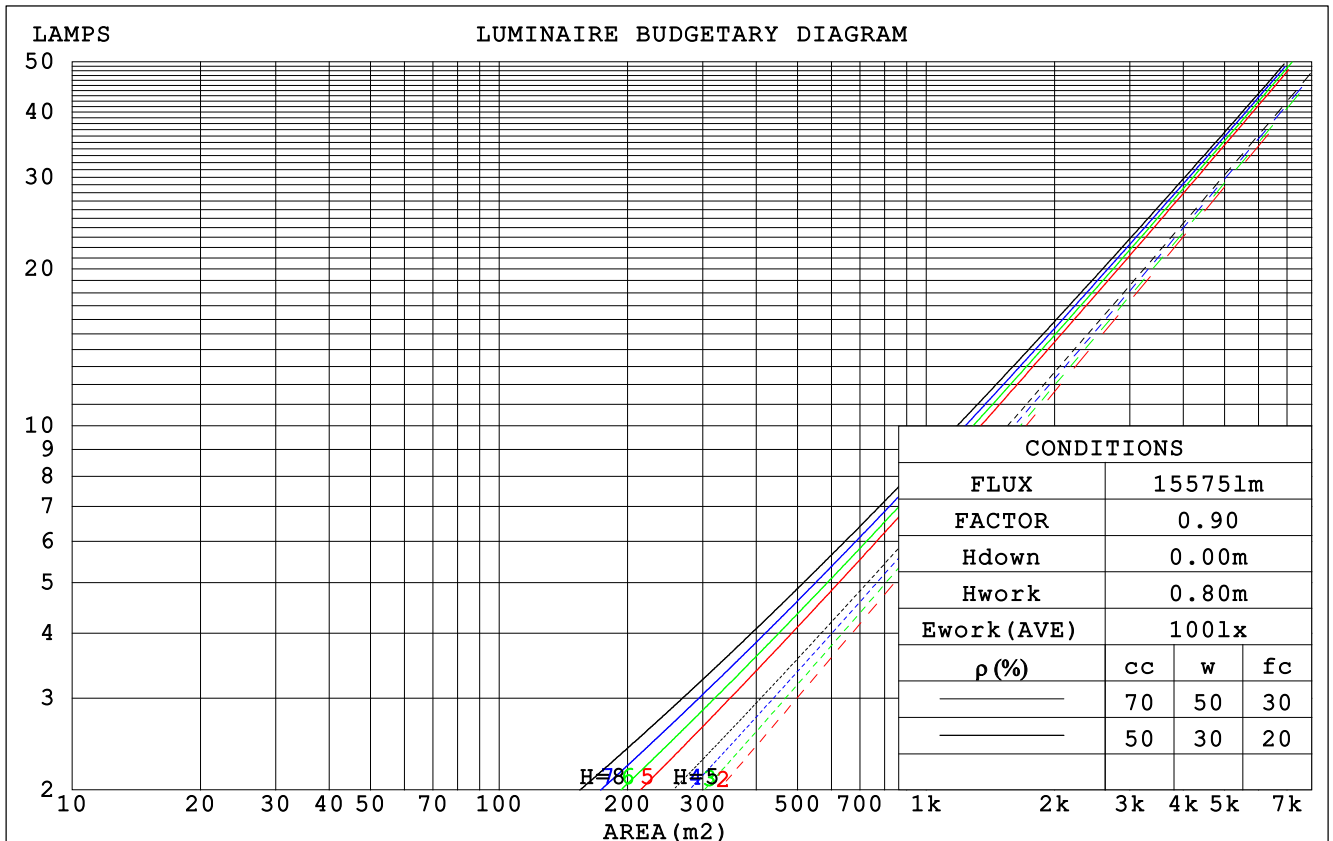


C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2017-04-01

$\gamma$  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  | 1.07                  | 1.04 | 1.01 | 1.05                            | 1.02 | .99  | 1.01 | .98  | .96  | .97  | .95  | .93  | .94  | .92  | .90  | .89  |
| 2.0  | .96                   | .91  | .86  | .94                             | .89  | .85  | .91  | .87  | .83  | .88  | .84  | .81  | .85  | .82  | .79  | .78  |
| 3.0  | .87                   | .80  | .74  | .85                             | .79  | .74  | .82  | .77  | .72  | .80  | .75  | .71  | .77  | .73  | .70  | .68  |
| 4.0  | .78                   | .71  | .65  | .77                             | .70  | .65  | .75  | .69  | .64  | .72  | .67  | .63  | .70  | .66  | .62  | .60  |
| 5.0  | .71                   | .63  | .58  | .70                             | .63  | .57  | .68  | .62  | .57  | .66  | .61  | .56  | .65  | .60  | .56  | .54  |
| 6.0  | .65                   | .57  | .52  | .64                             | .57  | .51  | .63  | .56  | .51  | .61  | .55  | .51  | .59  | .54  | .50  | .48  |
| 7.0  | .60                   | .52  | .47  | .59                             | .52  | .47  | .58  | .51  | .46  | .56  | .50  | .46  | .55  | .50  | .46  | .44  |
| 8.0  | .55                   | .48  | .43  | .55                             | .47  | .42  | .53  | .47  | .42  | .52  | .46  | .42  | .51  | .46  | .42  | .40  |
| 9.0  | .51                   | .44  | .39  | .51                             | .44  | .39  | .50  | .43  | .39  | .49  | .43  | .39  | .48  | .42  | .38  | .37  |
| 10.0 | .48                   | .41  | .36  | .47                             | .41  | .36  | .46  | .40  | .36  | .46  | .40  | .36  | .45  | .39  | .35  | .34  |



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2017-04-01

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  | .244                  | .139 | .044 | .237 | .135 | .043 | .224                             | .129 | .041 | .212 | .123 | .039 | .202 | .117 | .038 |   |
| 2.0  | .236                  | .130 | .040 | .230 | .127 | .039 | .219                             | .122 | .038 | .209 | .117 | .037 | .199 | .113 | .036 |   |
| 3.0  | .224                  | .119 | .036 | .219 | .117 | .035 | .209                             | .113 | .034 | .200 | .110 | .034 | .191 | .106 | .033 |   |
| 4.0  | .211                  | .109 | .032 | .206 | .108 | .032 | .197                             | .105 | .031 | .189 | .102 | .031 | .182 | .099 | .030 |   |
| 5.0  | .198                  | .101 | .029 | .194 | .099 | .029 | .186                             | .097 | .029 | .179 | .094 | .028 | .172 | .092 | .028 |   |
| 6.0  | .186                  | .093 | .027 | .182 | .092 | .026 | .175                             | .090 | .026 | .169 | .088 | .026 | .163 | .086 | .026 |   |
| 7.0  | .175                  | .086 | .024 | .172 | .086 | .024 | .166                             | .084 | .024 | .160 | .082 | .024 | .155 | .080 | .024 |   |
| 8.0  | .165                  | .081 | .023 | .162 | .080 | .023 | .157                             | .078 | .022 | .151 | .077 | .022 | .147 | .075 | .022 |   |
| 9.0  | .156                  | .075 | .021 | .153 | .075 | .021 | .148                             | .073 | .021 | .144 | .072 | .021 | .139 | .071 | .020 |   |
| 10.0 | .147                  | .071 | .020 | .145 | .070 | .020 | .141                             | .069 | .019 | .137 | .068 | .019 | .133 | .067 | .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  | .176                  | .157 | .140 | .150 | .135 | .120 | .103                                       | .093 | .083 | .059 | .054 | .048 | .019 | .017 | .016 |   |
| 2.0  | .165                  | .132 | .105 | .141 | .114 | .091 | .097                                       | .079 | .063 | .056 | .046 | .037 | .018 | .015 | .012 |   |
| 3.0  | .156                  | .114 | .081 | .133 | .098 | .070 | .092                                       | .068 | .049 | .053 | .040 | .029 | .017 | .013 | .009 |   |
| 4.0  | .147                  | .100 | .064 | .126 | .087 | .056 | .087                                       | .060 | .039 | .050 | .035 | .023 | .016 | .011 | .008 |   |
| 5.0  | .140                  | .089 | .052 | .120 | .077 | .045 | .083                                       | .054 | .032 | .048 | .032 | .019 | .015 | .010 | .006 |   |
| 6.0  | .133                  | .081 | .043 | .114 | .070 | .038 | .079                                       | .049 | .027 | .046 | .029 | .016 | .015 | .009 | .005 |   |
| 7.0  | .126                  | .074 | .036 | .109 | .064 | .032 | .075                                       | .045 | .023 | .044 | .026 | .013 | .014 | .009 | .004 |   |
| 8.0  | .120                  | .068 | .031 | .104 | .059 | .027 | .072                                       | .041 | .019 | .042 | .024 | .012 | .013 | .008 | .004 |   |
| 9.0  | .115                  | .063 | .027 | .099 | .054 | .024 | .068                                       | .038 | .017 | .040 | .023 | .010 | .013 | .007 | .003 |   |
| 10.0 | .110                  | .058 | .024 | .094 | .051 | .021 | .066                                       | .036 | .015 | .038 | .021 | .009 | .012 | .007 | .003 |   |

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2017-04-01

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                                      | 30.7             | 32.0 | 30.9 | 32.2 | 32.4 | 16.4           | 17.7 | 16.7 | 17.9 | 18.1 |
| 3H                                                 | 31.9             | 33.1 | 32.2 | 33.3 | 33.5 | 17.7           | 18.9 | 18.0 | 19.1 | 19.4 |
| 4H                                                 | 31.8             | 33.0 | 32.1 | 33.2 | 33.4 | 18.4           | 19.5 | 18.7 | 19.7 | 20.0 |
| 6H                                                 | 31.7             | 32.8 | 32.0 | 33.0 | 33.3 | 18.9           | 20.0 | 19.3 | 20.3 | 20.5 |
| 8H                                                 | 31.7             | 32.7 | 32.0 | 33.0 | 33.3 | 19.2           | 20.2 | 19.5 | 20.5 | 20.7 |
| 12H                                                | 31.6             | 32.6 | 32.0 | 32.9 | 33.2 | 19.3           | 20.3 | 19.7 | 20.6 | 20.9 |
| 4H 2H                                              | 30.4             | 31.5 | 30.7 | 31.8 | 32.0 | 17.8           | 18.9 | 18.1 | 19.1 | 19.4 |
| 3H                                                 | 31.6             | 32.6 | 32.0 | 32.9 | 33.2 | 18.9           | 19.9 | 19.2 | 20.1 | 20.4 |
| 4H                                                 | 31.6             | 32.5 | 31.9 | 32.8 | 33.1 | 19.5           | 20.4 | 19.9 | 20.7 | 21.1 |
| 6H                                                 | 31.5             | 32.3 | 31.9 | 32.6 | 33.0 | 20.2           | 21.0 | 20.6 | 21.3 | 21.7 |
| 8H                                                 | 31.5             | 32.2 | 31.9 | 32.5 | 32.9 | 20.5           | 21.2 | 20.9 | 21.6 | 21.9 |
| 12H                                                | 31.4             | 32.1 | 31.8 | 32.5 | 32.9 | 20.7           | 21.4 | 21.1 | 21.7 | 22.1 |
| 8H 4H                                              | 31.4             | 32.2 | 31.9 | 32.5 | 32.9 | 19.8           | 20.6 | 20.2 | 20.9 | 21.3 |
| 6H                                                 | 31.4             | 32.0 | 31.8 | 32.4 | 32.8 | 20.6           | 21.2 | 21.0 | 21.6 | 22.0 |
| 8H                                                 | 31.4             | 31.9 | 31.8 | 32.3 | 32.7 | 21.0           | 21.5 | 21.4 | 21.9 | 22.4 |
| 12H                                                | 31.3             | 31.8 | 31.8 | 32.2 | 32.7 | 21.3           | 21.7 | 21.8 | 22.2 | 22.7 |
| 12H 4H                                             | 31.4             | 32.1 | 31.8 | 32.4 | 32.8 | 19.8           | 20.5 | 20.3 | 20.9 | 21.3 |
| 6H                                                 | 31.3             | 31.9 | 31.8 | 32.3 | 32.7 | 20.6           | 21.2 | 21.1 | 21.6 | 22.0 |
| 8H                                                 | 31.3             | 31.8 | 31.8 | 32.2 | 32.7 | 21.0           | 21.5 | 21.5 | 21.9 | 22.4 |
| Variations with the observer position at spacings: |                  |      |      |      |      |                |      |      |      |      |
| S = 1.0H                                           | + 1.1 / - 1.2    |      |      |      |      | + 0.6 / - 0.7  |      |      |      |      |
| 1.5H                                               | + 2.5 / - 4.6    |      |      |      |      | + 1.0 / - 0.6  |      |      |      |      |
| 2.0H                                               | + 3.8 / - 9.2    |      |      |      |      | + 0.1 / - 0.2  |      |      |      |      |

CIE Pub.117 Corrected 15575 lm Total Lamp Luminous Flux.(8log(F/F0) = 9.5)

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2017-04-01

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:

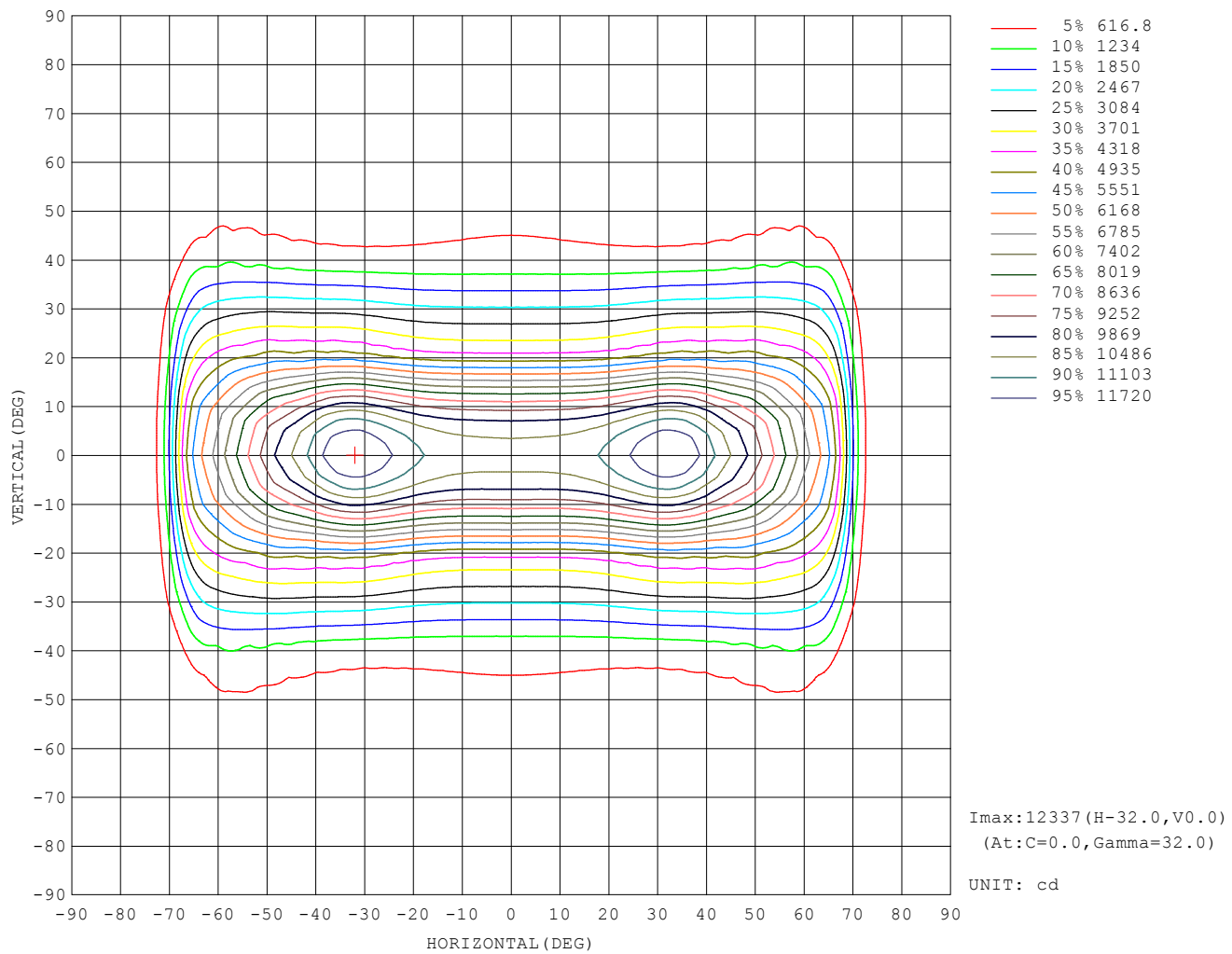
## UTILIZATION FACTORS TABLE

| 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 67                                                   | 57  | 52        | 67  | 57  | 51  | 66  | 57            | 51  | 46     |
| 0.80                             | 77                                                   | 67  | 61        | 76  | 67  | 61  | 75  | 66            | 61  | 55     |
| 1.00                             | 85                                                   | 76  | 70        | 84  | 75  | 69  | 82  | 76            | 69  | 63     |
| 1.25                             | 91                                                   | 83  | 77        | 90  | 82  | 76  | 87  | 81            | 76  | 70     |
| 1.50                             | 95                                                   | 87  | 82        | 94  | 87  | 81  | 91  | 85            | 80  | 74     |
| 2.00                             | 101                                                  | 94  | 89        | 99  | 93  | 88  | 96  | 91            | 87  | 80     |
| 2.50                             | 104                                                  | 98  | 93        | 102 | 96  | 92  | 98  | 94            | 90  | 83     |
| 3.00                             | 106                                                  | 101 | 97        | 104 | 100 | 96  | 101 | 97            | 94  | 86     |
| 4.00                             | 110                                                  | 105 | 102       | 107 | 104 | 100 | 103 | 100           | 98  | 90     |
| 5.00                             | 111                                                  | 108 | 105       | 109 | 106 | 103 | 105 | 102           | 100 | 92     |
| 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: 2017-04-01

$\gamma$  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:

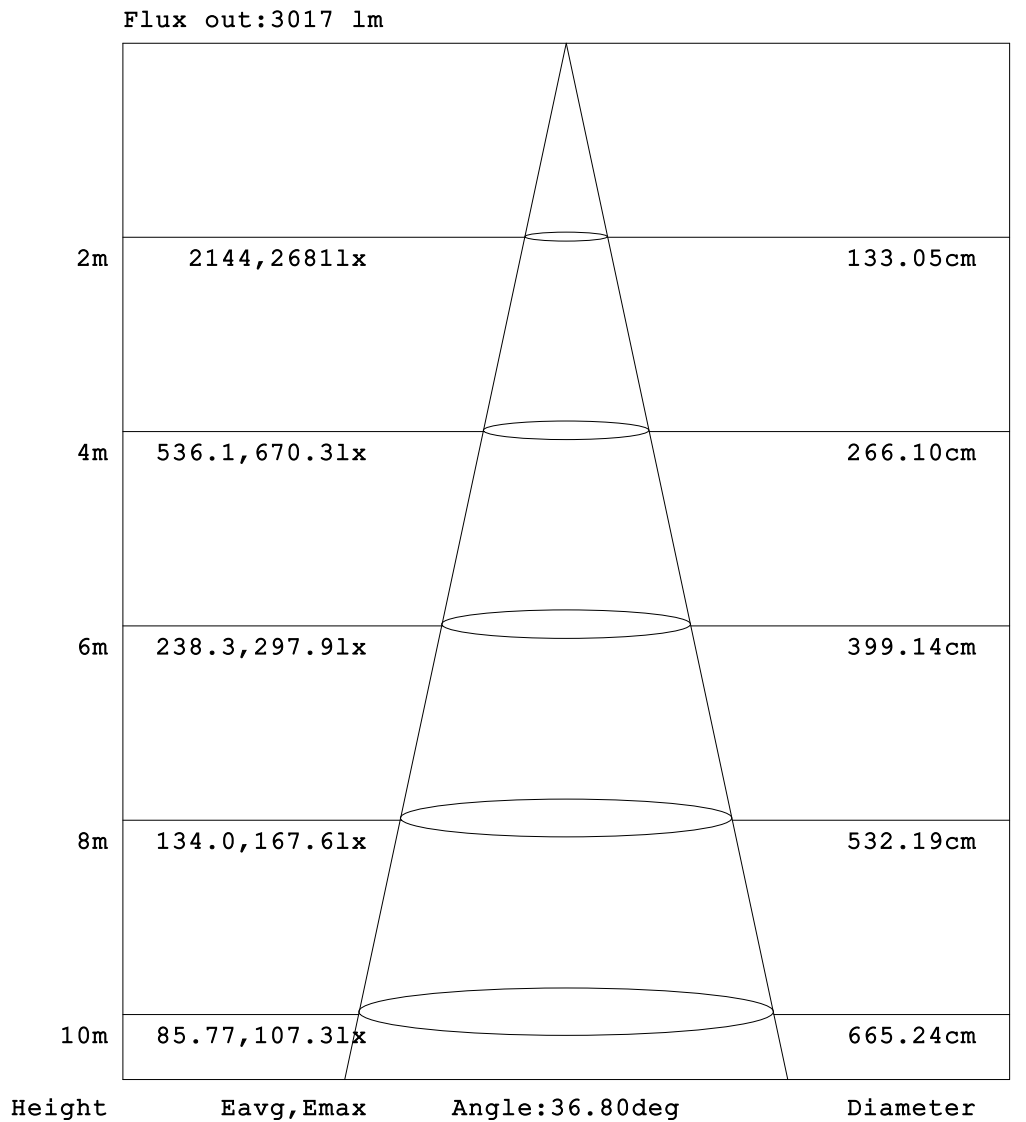
## ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2017-04-01

$\gamma$  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

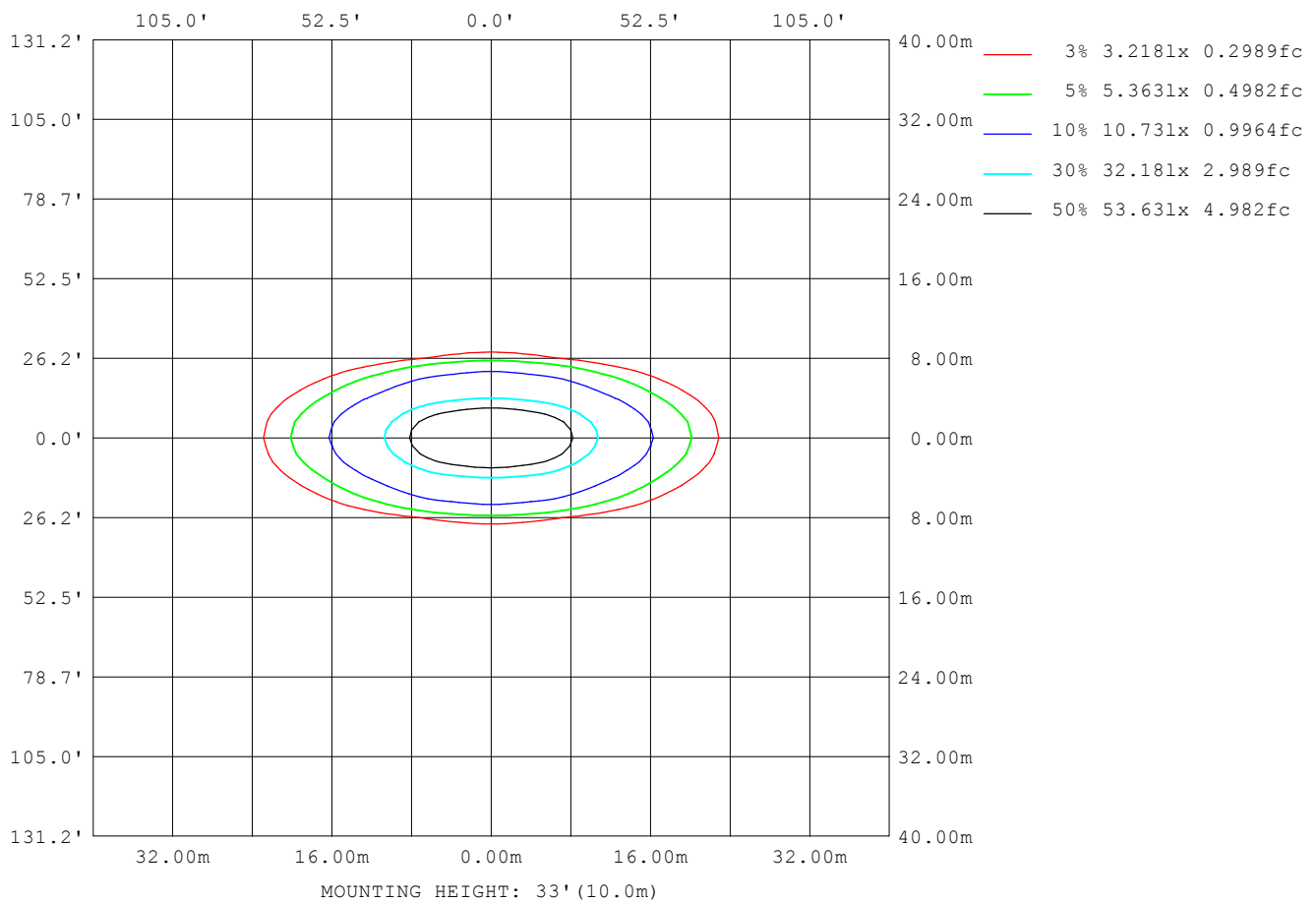


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2017-04-01

$\gamma$  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:2017-04-01

$\gamma$  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:0.5361A P:120.2W PF:0.9743 Lamp Flux:15575.1x1 lm |                         |                  |
| NAME: LHB01-120                                                   | TYPE:120W               | WEIGHT:          |
| SPEC.:5000K Ra70 40130DEG L02804                                  | DIM.: 0.948*0.137*0.102 | SERIAL No.:      |
| MFR.:                                                             | SUR.:0.92*0.1           | Shielding Angle: |

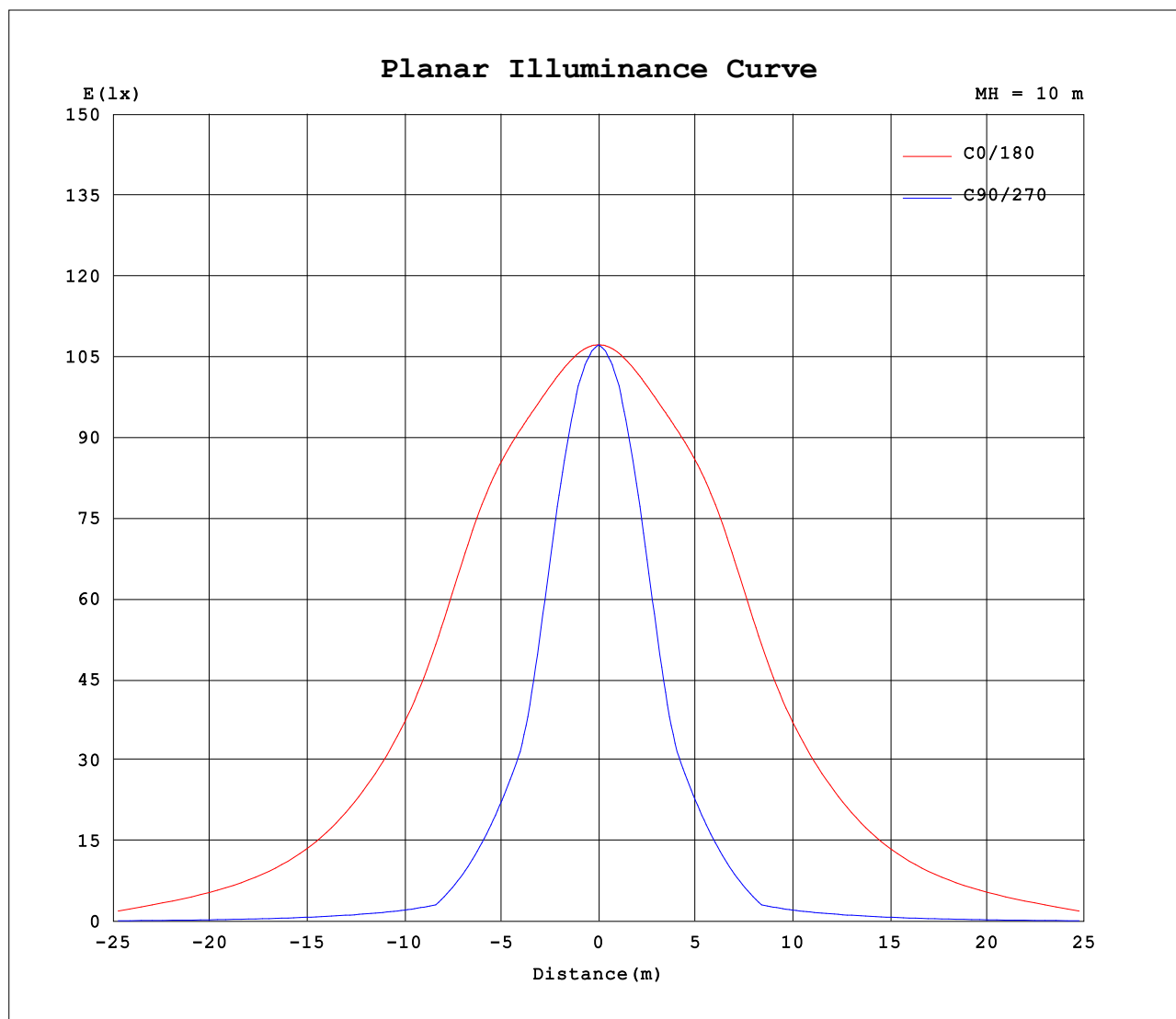
| AvgL             | cd/m2  |
|------------------|--------|
| L_0~180 (65) av  | 145359 |
| L_0~180 (75) av  | 12051  |
| L_0~180 (85) av  | 3016   |
| L_90~270 (65) av | 10233  |
| L_90~270 (75) av | 10206  |
| L_90~270 (85) av | 10680  |
| L_45 (65) av     | 9794   |
| L_45 (75) av     | 8357   |
| L_45 (85) av     | 8886   |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2017-04-01

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: 2017-04-01

$\gamma$  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:

```

```

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:

```

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:

```

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:

```