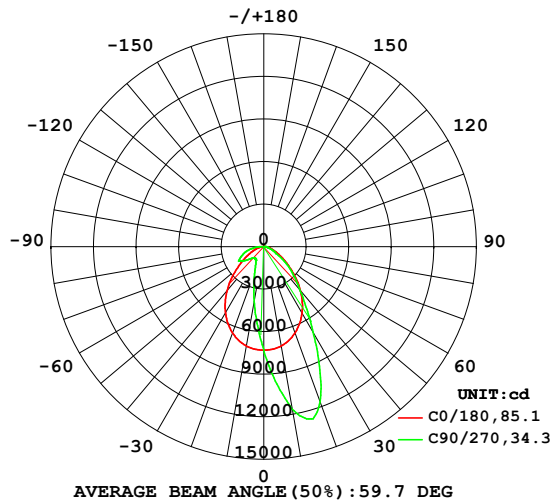


## LUMINAIRE PHOTOMETRIC TEST REPORT

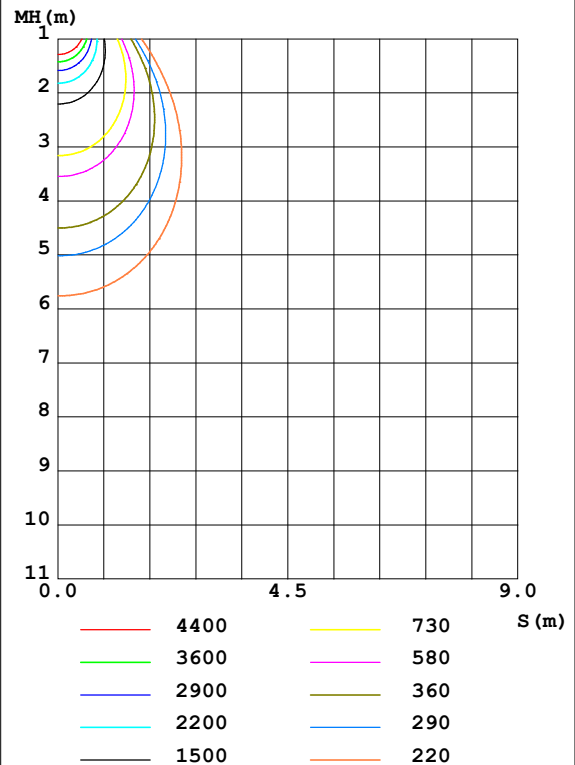
|                                                                   |                         |                  |
|-------------------------------------------------------------------|-------------------------|------------------|
| Test:U:230.0V I:0.5450A P:121.7W PF:0.9707 Lamp Flux:14643.6x1 lm |                         |                  |
| NAME: LHB03-120                                                   | TYPE:120W               | WEIGHT:          |
| SPEC.:5000K Ra70 L00305                                           | DIM.: 0.621*0.307*0.061 | SERIAL No.:      |
| MFR.:                                                             | SUR.:0.57*0.27          | Shielding Angle: |

| DATA OF LAMP     |           | PHOTOMETRIC DATA Eff: 120.35 lm/W |        |                    |          |
|------------------|-----------|-----------------------------------|--------|--------------------|----------|
| MODEL            | LHB03-120 | I <sub>max</sub> (cd)             | 12650  | S/MH (C0/180)      | 1.12     |
| NOMINAL POWER(W) | 120       | LOR(%)                            | 100.0  | S/MH (C90/270)     | 0.37     |
| RATED VOLTAGE(V) | 230       | TOTAL FLUX(lm)                    | 14644  | η UP,DN (C0-180)   | 0.0,71.8 |
| NOMINAL FLUX(lm) | 14643.6   | CIE CLASS                         | DIRECT | η UP,DN (C180-360) | 0.0,28.2 |
| LAMPS INSIDE     | 1         | η up (%)                          | 0.0    | CIBSE SHR NOM      | 0.75     |
| TEST VOLTAGE (V) | 230       | η down (%)                        | 100.0  | CIBSE SHR MAX      | 0.75     |

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:2017-08-05

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        | 726.2                    | 886.3 | 951.1 | 886.3 | 726.2  | 594.5 | 544.4 | 594.5 | 0- 5     | 176.0       | 176.0        | 1.2,1.2   |
| 10       | 711.6                    | 1032  | 1164  | 1032  | 711.6  | 473.8 | 395.3 | 473.8 | 5- 10    | 533.3       | 709.3        | 4.84,4.84 |
| 15       | 685.3                    | 1157  | 1258  | 1157  | 685.3  | 364.3 | 272.6 | 364.3 | 10- 15   | 888.4       | 1598         | 10.9,10.9 |
| 20       | 647.5                    | 1212  | 1164  | 1212  | 647.5  | 268.5 | 186.9 | 268.5 | 15- 20   | 1195        | 2793         | 19.1,19.1 |
| 25       | 598.9                    | 1169  | 930.1 | 1169  | 598.9  | 196.1 | 138.0 | 196.1 | 20- 25   | 1392        | 4185         | 28.6,28.6 |
| 30       | 540.8                    | 1035  | 695.6 | 1035  | 540.8  | 147.1 | 114.0 | 147.1 | 25- 30   | 1466        | 5652         | 38.6,38.6 |
| 35       | 474.8                    | 843.7 | 522.8 | 843.7 | 474.8  | 121.0 | 106.3 | 121.0 | 30- 35   | 1446        | 7098         | 48.5,48.5 |
| 40       | 402.8                    | 656.8 | 394.9 | 656.8 | 402.8  | 105.4 | 105.3 | 105.4 | 35- 40   | 1364        | 8462         | 57.8,57.8 |
| 45       | 328.1                    | 502.3 | 311.3 | 502.3 | 328.1  | 96.92 | 114.7 | 96.92 | 40- 45   | 1245        | 9707         | 66.3,66.3 |
| 50       | 254.0                    | 375.2 | 241.0 | 375.2 | 254.0  | 90.99 | 143.8 | 90.99 | 45- 50   | 1105        | 10813        | 73.8,73.8 |
| 55       | 191.6                    | 281.0 | 172.2 | 281.0 | 191.6  | 86.51 | 175.4 | 86.51 | 50- 55   | 955.2       | 11768        | 80.4,80.4 |
| 60       | 141.0                    | 206.4 | 103.5 | 206.4 | 141.0  | 84.02 | 207.0 | 84.02 | 55- 60   | 806.5       | 12574        | 85.9,85.9 |
| 65       | 101.2                    | 132.1 | 78.50 | 132.1 | 101.2  | 78.67 | 180.7 | 78.67 | 60- 65   | 659.5       | 13234        | 90.4,90.4 |
| 70       | 71.67                    | 79.21 | 53.50 | 79.21 | 71.67  | 70.93 | 154.3 | 70.93 | 65- 70   | 517.5       | 13751        | 93.9,93.9 |
| 75       | 47.58                    | 50.78 | 30.10 | 50.78 | 47.58  | 61.91 | 126.6 | 61.91 | 70- 75   | 392.4       | 14144        | 96.6,96.6 |
| 80       | 27.47                    | 23.91 | 19.40 | 23.91 | 27.47  | 50.22 | 87.85 | 50.22 | 75- 80   | 276.9       | 14421        | 98.5,98.5 |
| 85       | 8.791                    | 12.53 | 10.28 | 12.53 | 8.791  | 26.49 | 47.72 | 26.49 | 80- 85   | 162.5       | 14583        | 99.6,99.6 |
| 90       | 0.3964                   | 1.089 | 1.168 | 1.089 | 0.3964 | 4.639 | 7.580 | 4.639 | 85- 90   | 60.54       | 14644        | 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): 9707.2 lm

%lum = 66.3%

%lamp = 66.3%

Conical surface Flux(120deg): 12574 lm

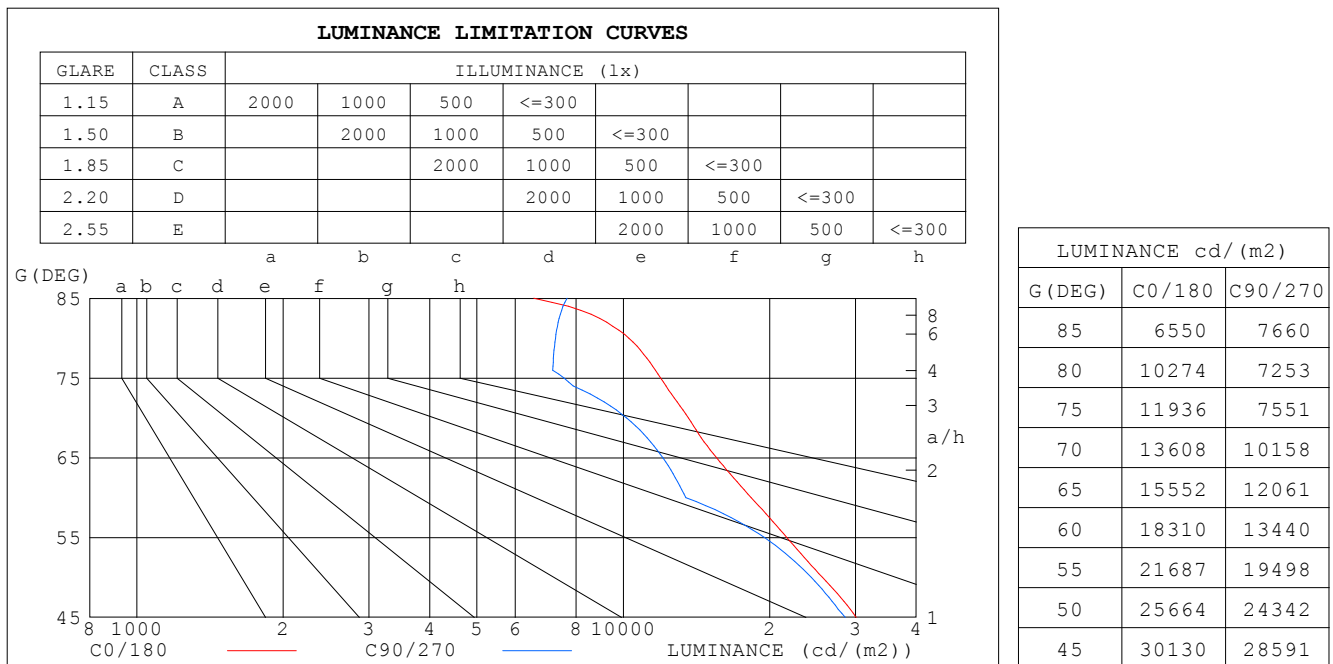
%lum = 85.9%

%lamp = 85.9%

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2017-08-05

$\gamma$  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

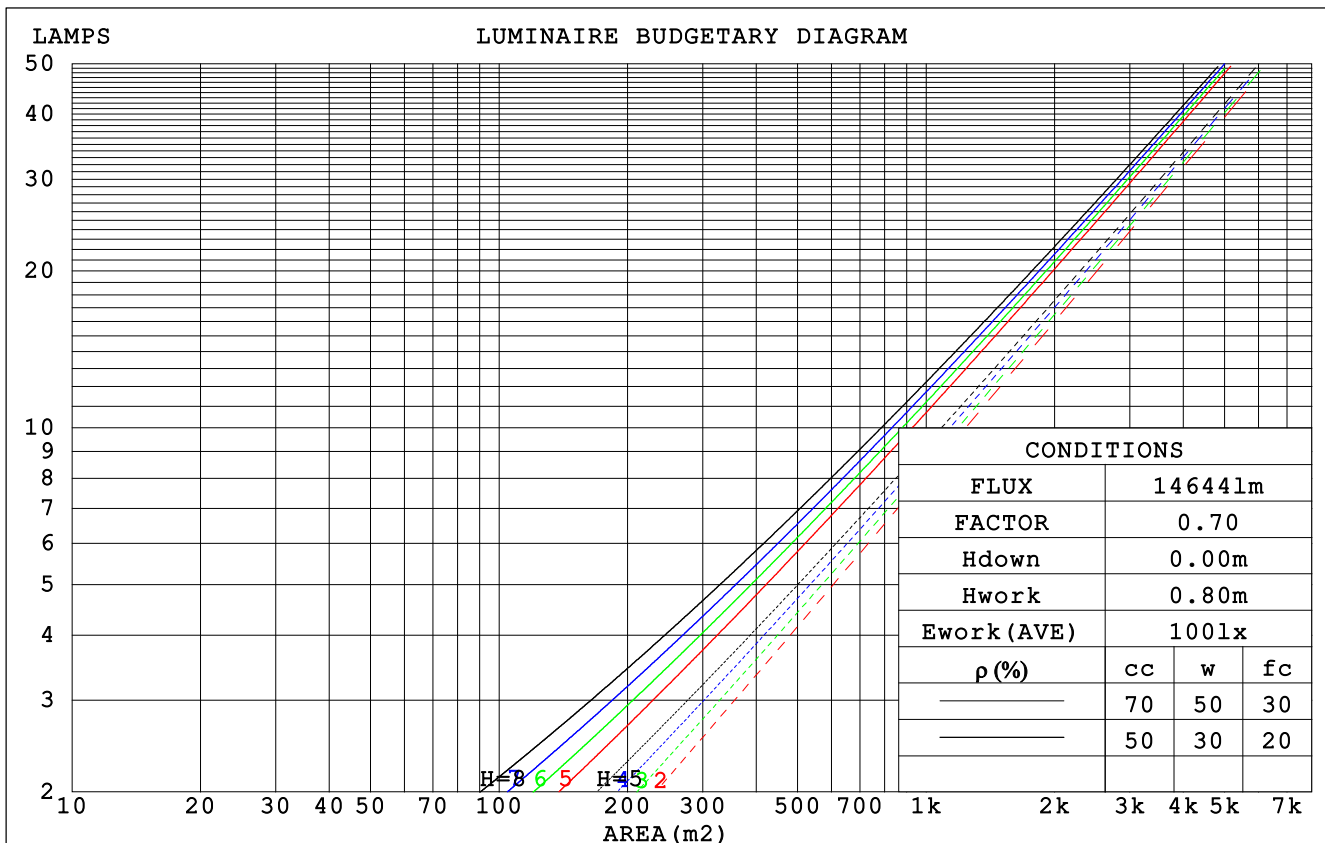


C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2017-08-05

$\gamma$  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

| $\rho_{cc}$ | 80%                   |      |      | 70%                             |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0    |
|-------------|-----------------------|------|------|---------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| $\rho_w$    | 50%                   | 30%  | 10%  | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0    |
| $\rho_{fc}$ | 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         | 1.06                  | 1.02 | .99  | 1.04                            | 1.00 | .97  | .99  | .97  | .94  | .96  | .93  | .91  | .92  | .90  | .88  | .86  |
| 2.0         | .94                   | .88  | .83  | .92                             | .87  | .82  | .89  | .84  | .80  | .86  | .82  | .78  | .83  | .79  | .77  | .75  |
| 3.0         | .84                   | .77  | .71  | .83                             | .76  | .71  | .80  | .74  | .69  | .77  | .72  | .68  | .75  | .71  | .67  | .65  |
| 4.0         | .76                   | .68  | .62  | .75                             | .67  | .61  | .72  | .66  | .61  | .70  | .64  | .60  | .68  | .63  | .59  | .57  |
| 5.0         | .69                   | .61  | .55  | .68                             | .60  | .54  | .66  | .59  | .54  | .64  | .58  | .53  | .62  | .57  | .53  | .51  |
| 6.0         | .63                   | .55  | .49  | .62                             | .54  | .48  | .60  | .53  | .48  | .58  | .52  | .48  | .57  | .52  | .47  | .45  |
| 7.0         | .57                   | .49  | .44  | .57                             | .49  | .44  | .55  | .48  | .43  | .54  | .48  | .43  | .53  | .47  | .43  | .41  |
| 8.0         | .53                   | .45  | .40  | .52                             | .45  | .40  | .51  | .44  | .39  | .50  | .44  | .39  | .49  | .43  | .39  | .37  |
| 9.0         | .49                   | .41  | .36  | .48                             | .41  | .36  | .47  | .41  | .36  | .46  | .40  | .36  | .45  | .40  | .36  | .34  |
| 10.0        | .46                   | .38  | .33  | .45                             | .38  | .33  | .44  | .38  | .33  | .43  | .37  | .33  | .42  | .37  | .33  | .31  |



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2017-08-05

$\gamma$  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:

### 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  | .271                  | .154 | .049 | .264 | .151 | .048 | .251                             | .144 | .046 | .239 | .138 | .044 | .228 | .132 | .043 |   |
| 2.0  | .256                  | .140 | .043 | .250 | .138 | .042 | .239                             | .133 | .041 | .228 | .128 | .040 | .219 | .124 | .039 |   |
| 3.0  | .239                  | .127 | .038 | .234 | .125 | .038 | .224                             | .121 | .037 | .214 | .117 | .036 | .206 | .114 | .035 |   |
| 4.0  | .222                  | .116 | .034 | .218 | .114 | .034 | .209                             | .111 | .033 | .201 | .108 | .033 | .193 | .105 | .032 |   |
| 5.0  | .207                  | .106 | .031 | .203 | .104 | .030 | .195                             | .102 | .030 | .188 | .099 | .030 | .181 | .097 | .029 |   |
| 6.0  | .194                  | .097 | .028 | .190 | .096 | .028 | .183                             | .094 | .027 | .177 | .092 | .027 | .171 | .090 | .027 |   |
| 7.0  | .181                  | .090 | .025 | .178 | .089 | .025 | .172                             | .087 | .025 | .166 | .085 | .025 | .161 | .084 | .025 |   |
| 8.0  | .171                  | .083 | .023 | .168 | .083 | .023 | .162                             | .081 | .023 | .157 | .080 | .023 | .152 | .078 | .023 |   |
| 9.0  | .161                  | .078 | .022 | .158 | .077 | .022 | .153                             | .076 | .021 | .149 | .074 | .021 | .144 | .073 | .021 |   |
| 10.0 | .152                  | .073 | .020 | .150 | .072 | .020 | .145                             | .071 | .020 | .141 | .070 | .020 | .137 | .069 | .020 |   |

| 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  | .178                  | .156 | .137 | .152 | .134 | .118 | .104                                       | .092 | .082 | .060 | .053 | .048 | .019 | .017 | .015 |   |
| 2.0  | .168                  | .132 | .102 | .143 | .114 | .088 | .098                                       | .079 | .062 | .057 | .046 | .036 | .018 | .015 | .012 |   |
| 3.0  | .158                  | .114 | .079 | .136 | .098 | .068 | .093                                       | .068 | .048 | .054 | .040 | .028 | .017 | .013 | .009 |   |
| 4.0  | .150                  | .100 | .062 | .129 | .087 | .054 | .089                                       | .060 | .038 | .051 | .035 | .023 | .017 | .012 | .007 |   |
| 5.0  | .143                  | .090 | .051 | .122 | .078 | .044 | .084                                       | .054 | .031 | .049 | .032 | .018 | .016 | .010 | .006 |   |
| 6.0  | .135                  | .081 | .042 | .116 | .070 | .037 | .080                                       | .049 | .026 | .047 | .029 | .015 | .015 | .009 | .005 |   |
| 7.0  | .129                  | .074 | .036 | .111 | .064 | .031 | .077                                       | .045 | .022 | .044 | .026 | .013 | .014 | .009 | .004 |   |
| 8.0  | .123                  | .068 | .031 | .106 | .059 | .027 | .073                                       | .041 | .019 | .043 | .024 | .011 | .014 | .008 | .004 |   |
| 9.0  | .117                  | .063 | .027 | .101 | .055 | .023 | .070                                       | .039 | .017 | .041 | .023 | .010 | .013 | .007 | .003 |   |
| 10.0 | .112                  | .059 | .024 | .096 | .051 | .021 | .067                                       | .036 | .015 | .039 | .021 | .009 | .013 | .007 | .003 |   |

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2017-08-05

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                                      | 26.7             | 28.1 | 27.0 | 28.2 | 28.4 | 23.2           | 24.6 | 23.5 | 24.8 | 25.0 |
| 3H                                                 | 27.1             | 28.4 | 27.4 | 28.6 | 28.8 | 23.6           | 24.8 | 23.9 | 25.1 | 25.3 |
| 4H                                                 | 27.2             | 28.4 | 27.5 | 28.6 | 28.9 | 23.7           | 24.8 | 24.0 | 25.1 | 25.3 |
| 6H                                                 | 27.2             | 28.3 | 27.5 | 28.6 | 28.8 | 23.7           | 24.8 | 24.0 | 25.1 | 25.4 |
| 8H                                                 | 27.2             | 28.2 | 27.5 | 28.5 | 28.8 | 23.7           | 24.8 | 24.0 | 25.1 | 25.4 |
| 12H                                                | 27.1             | 28.2 | 27.5 | 28.5 | 28.8 | 23.7           | 24.8 | 24.1 | 25.0 | 25.3 |
| 4H 2H                                              | 26.8             | 28.0 | 27.1 | 28.2 | 28.5 | 24.0           | 25.1 | 24.3 | 25.4 | 25.6 |
| 3H                                                 | 27.4             | 28.5 | 27.8 | 28.8 | 29.1 | 24.4           | 25.4 | 24.7 | 25.7 | 26.0 |
| 4H                                                 | 27.6             | 28.6 | 28.0 | 28.9 | 29.2 | 24.5           | 25.4 | 24.9 | 25.8 | 26.1 |
| 6H                                                 | 27.7             | 28.5 | 28.1 | 28.9 | 29.2 | 24.6           | 25.4 | 25.0 | 25.8 | 26.1 |
| 8H                                                 | 27.7             | 28.5 | 28.1 | 28.8 | 29.2 | 24.6           | 25.4 | 25.0 | 25.8 | 26.2 |
| 12H                                                | 27.7             | 28.4 | 28.1 | 28.8 | 29.2 | 24.7           | 25.4 | 25.1 | 25.8 | 26.2 |
| 8H 4H                                              | 27.6             | 28.4 | 28.0 | 28.7 | 29.1 | 24.7           | 25.5 | 25.1 | 25.8 | 26.2 |
| 6H                                                 | 27.8             | 28.4 | 28.2 | 28.8 | 29.2 | 24.8           | 25.5 | 25.3 | 25.9 | 26.3 |
| 8H                                                 | 27.8             | 28.4 | 28.2 | 28.8 | 29.2 | 24.9           | 25.5 | 25.4 | 25.9 | 26.4 |
| 12H                                                | 27.8             | 28.3 | 28.3 | 28.7 | 29.2 | 25.0           | 25.5 | 25.5 | 26.0 | 26.4 |
| 12H 4H                                             | 27.6             | 28.3 | 28.0 | 28.7 | 29.1 | 24.7           | 25.4 | 25.1 | 25.8 | 26.2 |
| 6H                                                 | 27.7             | 28.3 | 28.2 | 28.7 | 29.2 | 24.9           | 25.4 | 25.3 | 25.9 | 26.3 |
| 8H                                                 | 27.8             | 28.3 | 28.3 | 28.7 | 29.2 | 25.0           | 25.5 | 25.5 | 25.9 | 26.4 |
| Variations with the observer position at spacings: |                  |      |      |      |      |                |      |      |      |      |
| S = 1.0H                                           | + 1.1 / - 1.2    |      |      |      |      | + 0.7 / - 0.9  |      |      |      |      |
| 1.5H                                               | + 0.9 / - 2.3    |      |      |      |      | + 0.5 / - 0.6  |      |      |      |      |
| 2.0H                                               | + 1.8 / - 3.2    |      |      |      |      | + 1.0 / - 1.9  |      |      |      |      |

CIE Pub.117 Corrected 14644 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:2017-08-05

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:

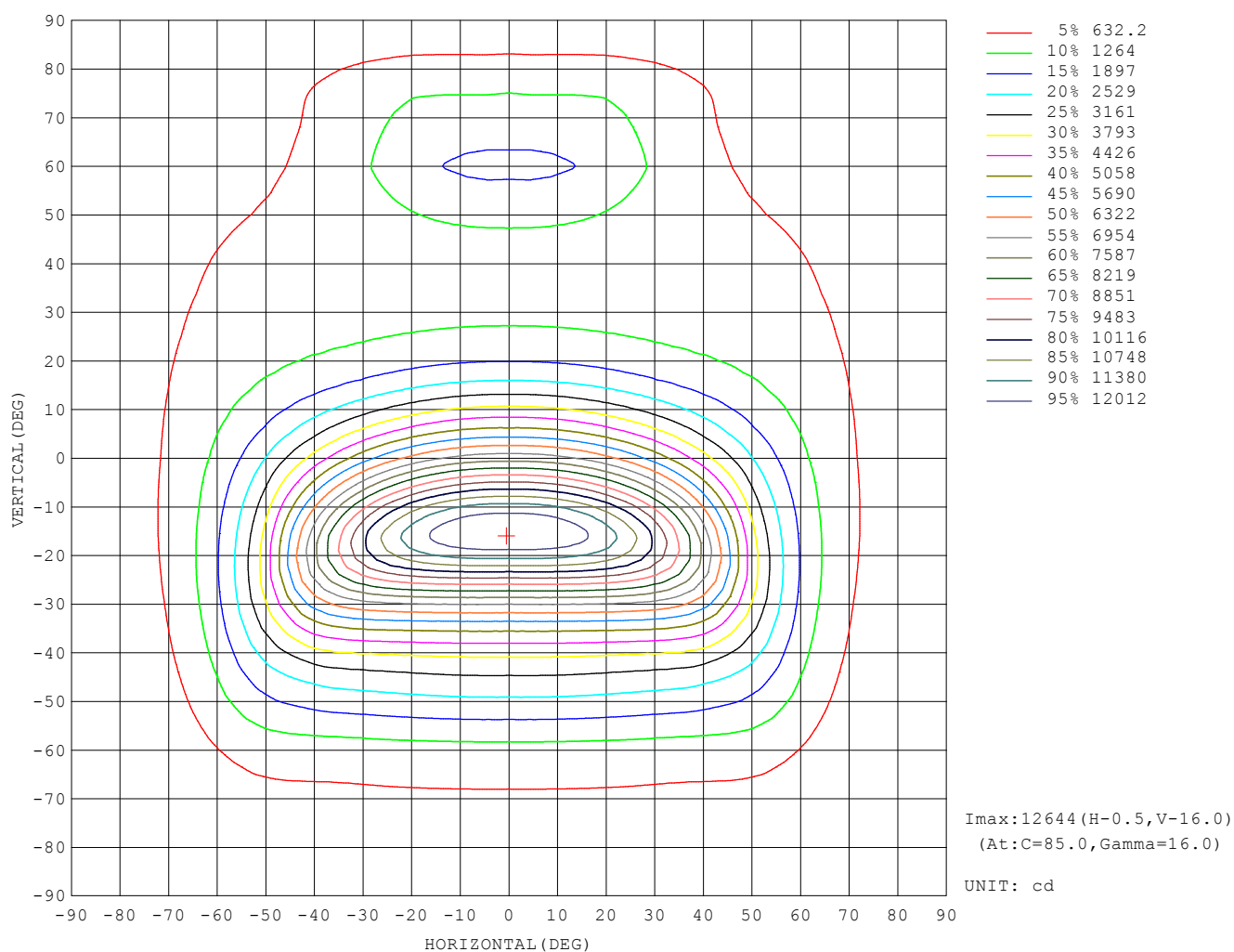
### UTILIZATION FACTORS TABLE

| 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 65                                                   | 55  | 49        | 65  | 55  | 49  | 64  | 54            | 49  | 43     |
| 0.80                             | 75                                                   | 65  | 59        | 74  | 64  | 58  | 72  | 64            | 58  | 52     |
| 1.00                             | 83                                                   | 73  | 67        | 81  | 72  | 66  | 79  | 73            | 66  | 60     |
| 1.25                             | 89                                                   | 80  | 74        | 88  | 79  | 73  | 85  | 78            | 73  | 66     |
| 1.50                             | 93                                                   | 85  | 79        | 92  | 84  | 78  | 89  | 82            | 77  | 71     |
| 2.00                             | 99                                                   | 92  | 86        | 97  | 91  | 85  | 94  | 88            | 84  | 77     |
| 2.50                             | 102                                                  | 96  | 90        | 100 | 94  | 90  | 97  | 92            | 88  | 80     |
| 3.00                             | 105                                                  | 99  | 94        | 103 | 98  | 93  | 99  | 95            | 91  | 83     |
| 4.00                             | 108                                                  | 104 | 100       | 106 | 102 | 98  | 102 | 98            | 95  | 87     |
| 5.00                             | 110                                                  | 106 | 103       | 108 | 104 | 101 | 104 | 101           | 98  | 89     |
| 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: 2017-08-05

$\gamma$  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:

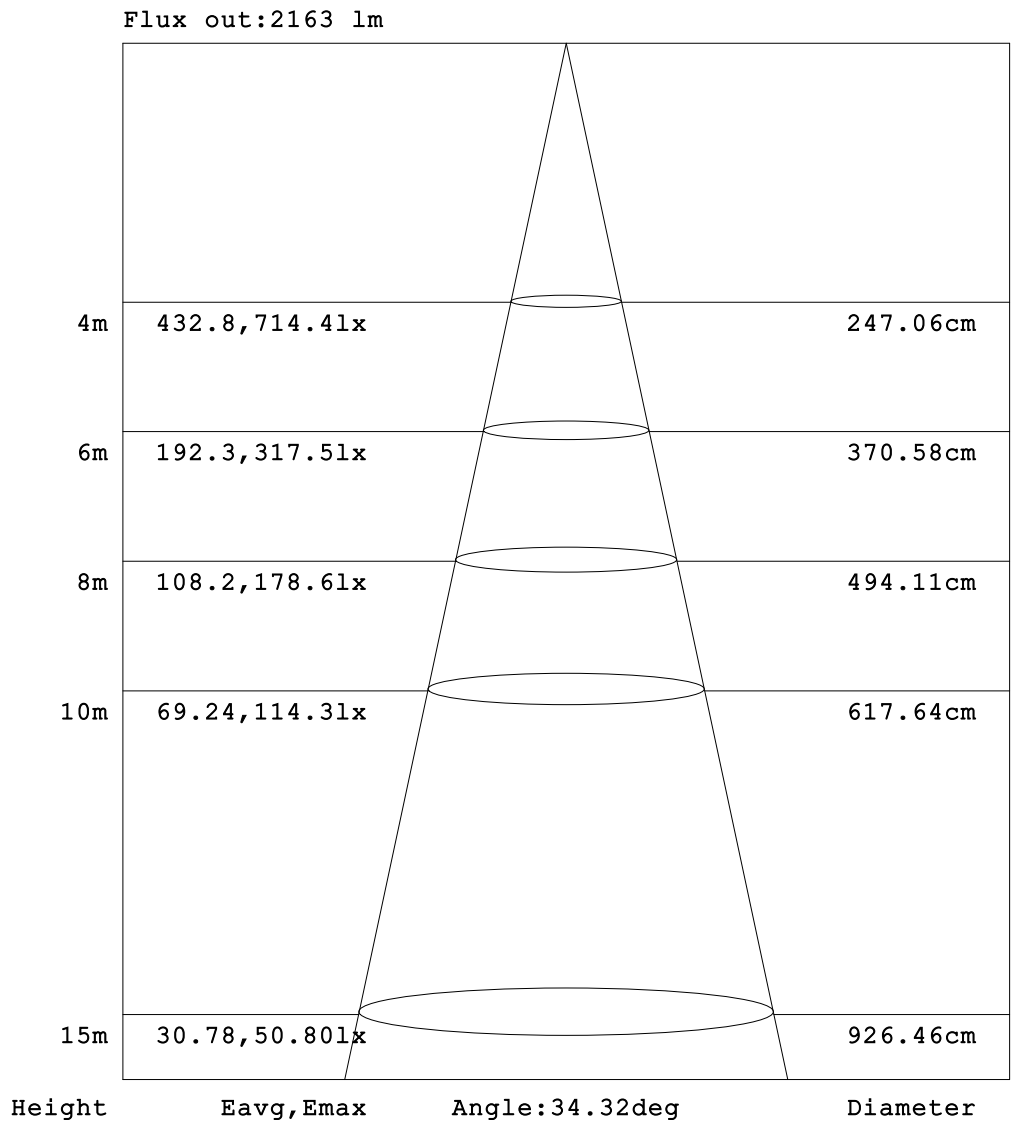
## ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2017-08-05

$\gamma$  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

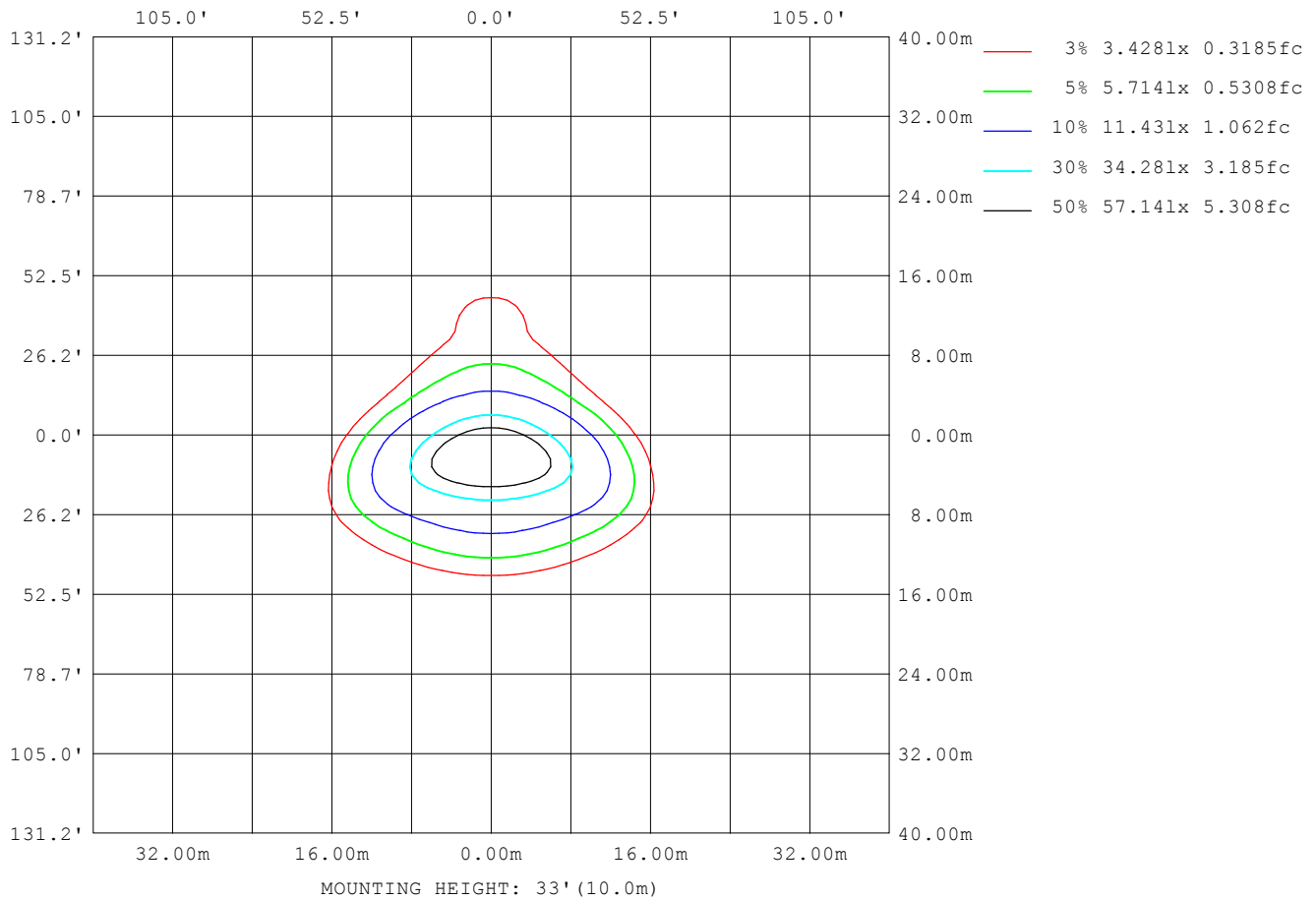


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2017-08-05

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:

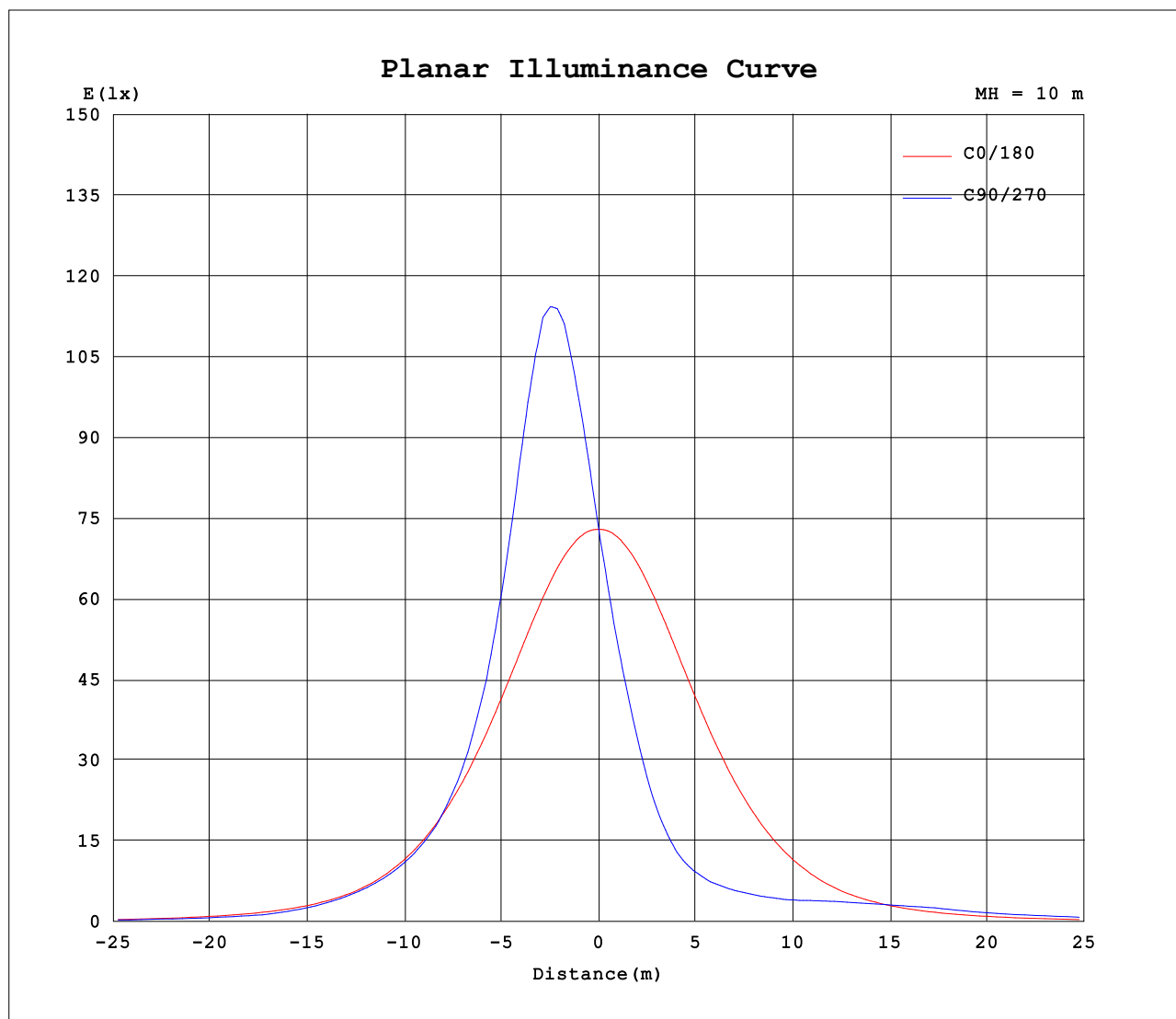
# ISOLUX DIAGRAM



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2017-08-05

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: 2017-08-05

$\gamma$  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:

```

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:

```