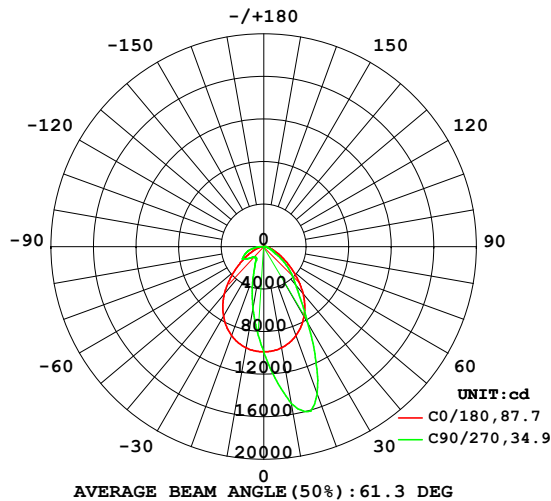


## LUMINAIRE PHOTOMETRIC TEST REPORT

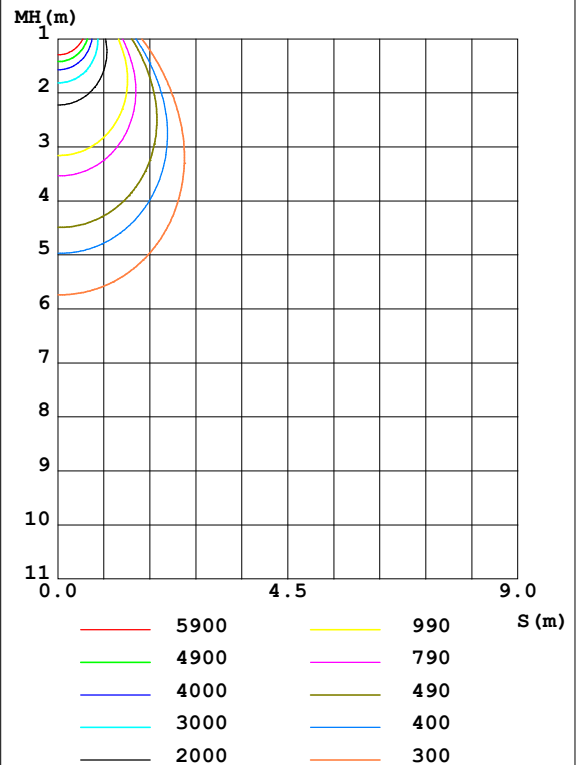
|                                                                   |                         |                  |
|-------------------------------------------------------------------|-------------------------|------------------|
| Test:U:230.0V I:0.6769A P:150.9W PF:0.9694 Lamp Flux:18637.1x1 lm |                         |                  |
| NAME: LHB03-150                                                   | TYPE:150W               | 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: 123.49 lm/W |        |                        |          |
|------------------|-----------|-----------------------------------|--------|------------------------|----------|
| MODEL            | LHB03-150 | Imax(cd)                          | 16096  | S/MH(C0/180)           | 1.15     |
| NOMINAL POWER(W) | 150       | LOR(%)                            | 100.0  | S/MH(C90/270)          | 0.42     |
| RATED VOLTAGE(V) | 230       | TOTAL FLUX(lm)                    | 18637  | $\eta$ UP,DN(C0-180)   | 0.0,70.2 |
| NOMINAL FLUX(lm) | 18637.1   | CIE CLASS                         | DIRECT | $\eta$ UP,DN(C180-360) | 0.0,29.8 |
| LAMPS INSIDE     | 1         | $\eta$ up(%)                      | 0.0    | CIBSE SHR NOM          | 0.75     |
| TEST VOLTAGE(V)  | 230       | $\eta$ down(%)                    | 100.0  | CIBSE SHR MAX          | 0.80     |

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

$\gamma$  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        | 984.0                    | 1165  | 1241  | 1165  | 984.0  | 837.7 | 779.5 | 837.7 | 0- 5     | 238.2       | 238.2        | 1.28,1.28  |
| 10       | 966.5                    | 1336  | 1496  | 1336  | 966.5  | 690.5 | 589.0 | 690.5 | 5- 10    | 719.8       | 958.0        | 5.14,5.14  |
| 15       | 934.7                    | 1487  | 1604  | 1487  | 934.7  | 546.6 | 423.5 | 546.6 | 10- 15   | 1193        | 2151         | 11.5,11.5  |
| 20       | 889.1                    | 1544  | 1470  | 1544  | 889.1  | 415.4 | 289.6 | 415.4 | 15- 20   | 1595        | 3746         | 20.1,20.1  |
| 25       | 830.1                    | 1476  | 1152  | 1476  | 830.1  | 304.0 | 201.0 | 304.0 | 20- 25   | 1841        | 5588         | 30,30      |
| 30       | 757.6                    | 1291  | 829.0 | 1291  | 757.6  | 219.1 | 152.0 | 219.1 | 25- 30   | 1913        | 7501         | 40.2,40.2  |
| 35       | 672.3                    | 1033  | 605.6 | 1033  | 672.3  | 169.2 | 136.1 | 169.2 | 30- 35   | 1856        | 9357         | 50.2,50.2  |
| 40       | 576.2                    | 787.1 | 465.9 | 787.1 | 576.2  | 139.2 | 131.5 | 139.2 | 35- 40   | 1729        | 11085        | 59.5,59.5  |
| 45       | 468.6                    | 594.0 | 376.7 | 594.0 | 468.6  | 124.1 | 139.3 | 124.1 | 40- 45   | 1566        | 12651        | 67.9,67.9  |
| 50       | 364.1                    | 442.3 | 288.4 | 442.3 | 364.1  | 114.5 | 169.5 | 114.5 | 45- 50   | 1374        | 14025        | 75.3,75.3  |
| 55       | 271.7                    | 329.8 | 200.2 | 329.8 | 271.7  | 107.6 | 202.6 | 107.6 | 50- 55   | 1173        | 15198        | 81.5,81.5  |
| 60       | 195.4                    | 238.5 | 112.0 | 238.5 | 195.4  | 102.5 | 235.6 | 102.5 | 55- 60   | 975.0       | 16173        | 86.8,86.8  |
| 65       | 136.7                    | 151.1 | 86.28 | 151.1 | 136.7  | 94.46 | 207.6 | 94.46 | 60- 65   | 784.6       | 16957        | 91,91      |
| 70       | 93.68                    | 89.62 | 60.58 | 89.62 | 93.68  | 83.70 | 179.6 | 83.70 | 65- 70   | 612.6       | 17570        | 94.3,94.3  |
| 75       | 62.21                    | 58.95 | 36.35 | 58.95 | 62.21  | 71.61 | 149.7 | 71.61 | 70- 75   | 467.2       | 18037        | 96.8,96.8  |
| 80       | 35.54                    | 29.51 | 23.81 | 29.51 | 35.54  | 56.98 | 103.7 | 56.98 | 75- 80   | 333.1       | 18370        | 98.6,98.6  |
| 85       | 11.40                    | 15.60 | 12.73 | 15.60 | 11.40  | 30.06 | 55.77 | 30.06 | 80- 85   | 195.1       | 18565        | 99.6,99.6  |
| 90       | 0.5188                   | 1.601 | 1.658 | 1.601 | 0.5188 | 4.936 | 7.827 | 4.936 | 85- 90   | 71.89       | 18637        | 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): 12651 lm

%lum = 67.9%

%lamp = 67.9%

Conical surface Flux(120deg): 16173 lm

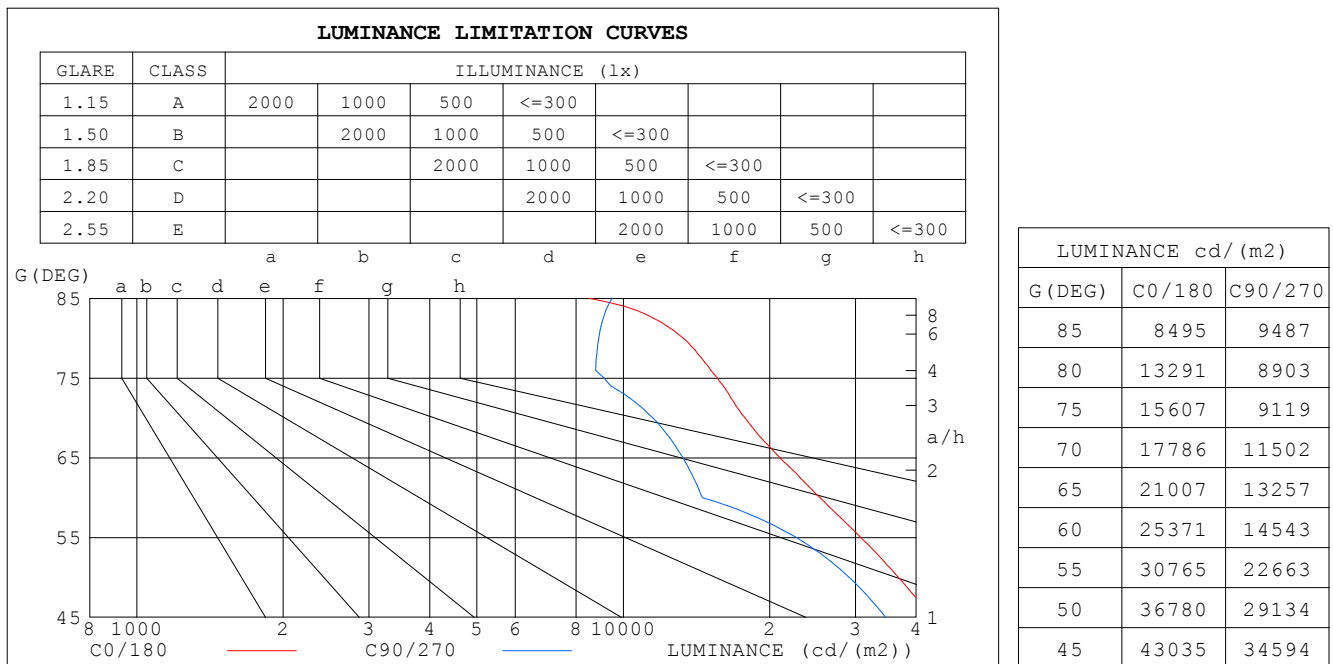
%lum = 86.8%

%lamp = 86.8%

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

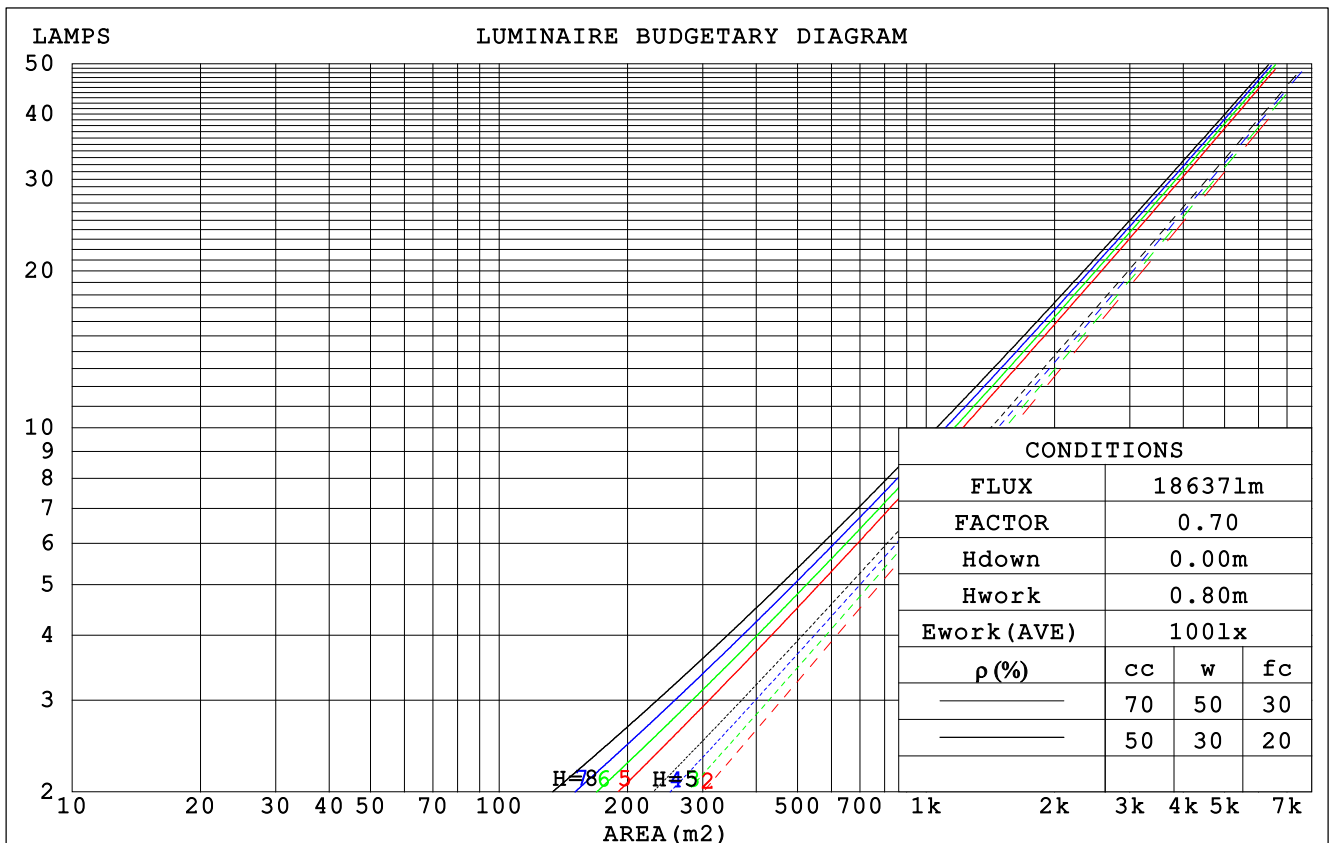


C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2017-08-05

$\gamma$  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

| pcc  | 80%                   |      |      | 70%                             |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0   |
|------|-----------------------|------|------|---------------------------------|------|------|------|------|------|------|------|------|------|------|------|-----|
| pw   | 50%                   | 30%  | 10%  | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0   |
| pfc  | 20%                   |      |      | 20%                             |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 0   |
| RCR  | RCR:Room Cavity Ratio |      |      | Coefficients of Utilization(CU) |      |      |      |      |      |      |      |      |      |      |      |     |
| 0.0  | 1.19                  | 1.19 | 1.19 | 1.16                            | 1.16 | 1.16 | 1.11 | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.02 | 1.02 | 1.02 | .00 |
| 1.0  | 1.06                  | 1.02 | .99  | 1.04                            | 1.01 | .98  | .00  | .97  | .94  | .96  | .94  | .92  | .92  | .91  | .89  | .87 |
| 2.0  | .95                   | .89  | .84  | .93                             | .87  | .83  | .89  | .85  | .81  | .86  | .82  | .79  | .83  | .80  | .77  | .75 |
| 3.0  | .85                   | .78  | .72  | .83                             | .77  | .71  | .80  | .75  | .70  | .78  | .73  | .69  | .75  | .71  | .68  | .66 |
| 4.0  | .77                   | .69  | .63  | .75                             | .68  | .62  | .73  | .67  | .62  | .71  | .65  | .61  | .69  | .64  | .60  | .58 |
| 5.0  | .70                   | .62  | .56  | .68                             | .61  | .55  | .66  | .60  | .55  | .65  | .59  | .54  | .63  | .58  | .54  | .52 |
| 6.0  | .64                   | .56  | .50  | .63                             | .55  | .50  | .61  | .54  | .49  | .59  | .53  | .49  | .58  | .52  | .48  | .46 |
| 7.0  | .58                   | .50  | .45  | .58                             | .50  | .45  | .56  | .49  | .44  | .55  | .49  | .44  | .53  | .48  | .44  | .42 |
| 8.0  | .54                   | .46  | .41  | .53                             | .46  | .41  | .52  | .45  | .40  | .51  | .45  | .40  | .50  | .44  | .40  | .38 |
| 9.0  | .50                   | .42  | .37  | .49                             | .42  | .37  | .48  | .42  | .37  | .47  | .41  | .37  | .46  | .41  | .37  | .35 |
| 10.0 | .46                   | .39  | .34  | .46                             | .39  | .34  | .45  | .39  | .34  | .44  | .38  | .34  | .43  | .38  | .34  | .32 |



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:

### 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  | .266                  | .151 | .048 | .259 | .148 | .047 | .246                             | .141 | .045 | .234 | .135 | .043 | .223 | .129 | .042 |   |
| 2.0  | .251                  | .138 | .042 | .245 | .135 | .042 | .234                             | .130 | .040 | .224 | .125 | .039 | .214 | .121 | .038 |   |
| 3.0  | .235                  | .125 | .037 | .229 | .123 | .037 | .220                             | .119 | .036 | .210 | .115 | .035 | .202 | .112 | .035 |   |
| 4.0  | .219                  | .114 | .033 | .214 | .112 | .033 | .205                             | .109 | .033 | .197 | .106 | .032 | .190 | .103 | .031 |   |
| 5.0  | .204                  | .104 | .030 | .200 | .103 | .030 | .192                             | .100 | .029 | .185 | .098 | .029 | .178 | .095 | .029 |   |
| 6.0  | .191                  | .096 | .027 | .187 | .095 | .027 | .180                             | .092 | .027 | .174 | .090 | .027 | .168 | .088 | .026 |   |
| 7.0  | .179                  | .089 | .025 | .176 | .088 | .025 | .170                             | .086 | .025 | .164 | .084 | .024 | .159 | .082 | .024 |   |
| 8.0  | .168                  | .082 | .023 | .166 | .081 | .023 | .160                             | .080 | .023 | .155 | .078 | .023 | .150 | .077 | .022 |   |
| 9.0  | .159                  | .077 | .021 | .156 | .076 | .021 | .151                             | .075 | .021 | .147 | .074 | .021 | .142 | .072 | .021 |   |
| 10.0 | .150                  | .072 | .020 | .148 | .071 | .020 | .143                             | .070 | .020 | .139 | .069 | .020 | .135 | .068 | .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  | .177                  | .157 | .138 | .152 | .134 | .119 | .104                                       | .092 | .082 | .060 | .053 | .048 | .019 | .017 | .015 |   |  |
| 2.0  | .167                  | .132 | .103 | .143 | .114 | .089 | .098                                       | .079 | .062 | .056 | .046 | .036 | .018 | .015 | .012 |   |  |
| 3.0  | .158                  | .114 | .079 | .135 | .098 | .069 | .093                                       | .068 | .048 | .054 | .040 | .028 | .017 | .013 | .009 |   |  |
| 4.0  | .149                  | .100 | .063 | .128 | .087 | .055 | .088                                       | .060 | .038 | .051 | .035 | .023 | .016 | .012 | .007 |   |  |
| 5.0  | .142                  | .090 | .051 | .122 | .077 | .044 | .084                                       | .054 | .031 | .049 | .032 | .019 | .016 | .010 | .006 |   |  |
| 6.0  | .135                  | .081 | .042 | .116 | .070 | .037 | .080                                       | .049 | .026 | .046 | .029 | .016 | .015 | .009 | .005 |   |  |
| 7.0  | .128                  | .074 | .036 | .110 | .064 | .031 | .076                                       | .045 | .022 | .044 | .026 | .013 | .014 | .009 | .004 |   |  |
| 8.0  | .122                  | .068 | .031 | .105 | .059 | .027 | .073                                       | .041 | .019 | .042 | .024 | .011 | .014 | .008 | .004 |   |  |
| 9.0  | .116                  | .063 | .027 | .100 | .055 | .024 | .069                                       | .038 | .017 | .040 | .023 | .010 | .013 | .007 | .003 |   |  |
| 10.0 | .111                  | .059 | .024 | .096 | .051 | .021 | .066                                       | .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                                      | 27.3             | 28.7 | 27.6 | 28.9 | 29.1 | 23.5           | 24.8 | 23.8 | 25.0 | 25.2 |
| 3H                                                 | 27.8             | 29.0 | 28.0 | 29.2 | 29.4 | 23.8           | 25.0 | 24.1 | 25.3 | 25.5 |
| 4H                                                 | 27.9             | 29.0 | 28.2 | 29.3 | 29.5 | 23.9           | 25.1 | 24.2 | 25.3 | 25.5 |
| 6H                                                 | 27.9             | 29.0 | 28.2 | 29.2 | 29.5 | 23.9           | 25.0 | 24.3 | 25.3 | 25.6 |
| 8H                                                 | 27.9             | 28.9 | 28.2 | 29.2 | 29.5 | 24.0           | 25.0 | 24.3 | 25.3 | 25.6 |
| 12H                                                | 27.8             | 28.8 | 28.2 | 29.1 | 29.4 | 24.0           | 25.0 | 24.3 | 25.3 | 25.6 |
| 4H 2H                                              | 27.4             | 28.6 | 27.7 | 28.8 | 29.1 | 24.2           | 25.4 | 24.5 | 25.6 | 25.9 |
| 3H                                                 | 28.0             | 29.1 | 28.4 | 29.3 | 29.6 | 24.6           | 25.6 | 24.9 | 25.9 | 26.2 |
| 4H                                                 | 28.2             | 29.2 | 28.6 | 29.5 | 29.8 | 24.7           | 25.7 | 25.1 | 26.0 | 26.3 |
| 6H                                                 | 28.3             | 29.1 | 28.7 | 29.5 | 29.8 | 24.8           | 25.7 | 25.2 | 26.0 | 26.4 |
| 8H                                                 | 28.3             | 29.1 | 28.7 | 29.4 | 29.8 | 24.9           | 25.7 | 25.3 | 26.0 | 26.4 |
| 12H                                                | 28.3             | 29.0 | 28.7 | 29.4 | 29.8 | 24.9           | 25.6 | 25.4 | 26.0 | 26.4 |
| 8H 4H                                              | 28.2             | 29.0 | 28.6 | 29.3 | 29.7 | 24.9           | 25.7 | 25.3 | 26.0 | 26.4 |
| 6H                                                 | 28.4             | 29.0 | 28.8 | 29.4 | 29.8 | 25.1           | 25.7 | 25.5 | 26.1 | 26.6 |
| 8H                                                 | 28.4             | 29.0 | 28.9 | 29.4 | 29.8 | 25.2           | 25.8 | 25.7 | 26.2 | 26.6 |
| 12H                                                | 28.4             | 28.9 | 28.9 | 29.3 | 29.8 | 25.3           | 25.8 | 25.8 | 26.2 | 26.7 |
| 12H 4H                                             | 28.2             | 28.9 | 28.6 | 29.2 | 29.6 | 24.9           | 25.6 | 25.3 | 26.0 | 26.4 |
| 6H                                                 | 28.3             | 28.9 | 28.8 | 29.3 | 29.8 | 25.1           | 25.7 | 25.6 | 26.1 | 26.6 |
| 8H                                                 | 28.4             | 28.9 | 28.9 | 29.3 | 29.8 | 25.3           | 25.8 | 25.7 | 26.2 | 26.7 |
| Variations with the observer position at spacings: |                  |      |      |      |      |                |      |      |      |      |
| S = 1.0H                                           | + 1.1 / - 1.2    |      |      |      |      | + 0.7 / - 0.9  |      |      |      |      |
| 1.5H                                               | + 0.8 / - 2.0    |      |      |      |      | + 0.5 / - 0.6  |      |      |      |      |
| 2.0H                                               | + 1.7 / - 2.8    |      |      |      |      | + 1.1 / - 2.1  |      |      |      |      |

CIE Pub.117 Corrected 18637 lm Total Lamp Luminous Flux.(8log(F/F0) = 10.2)

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:

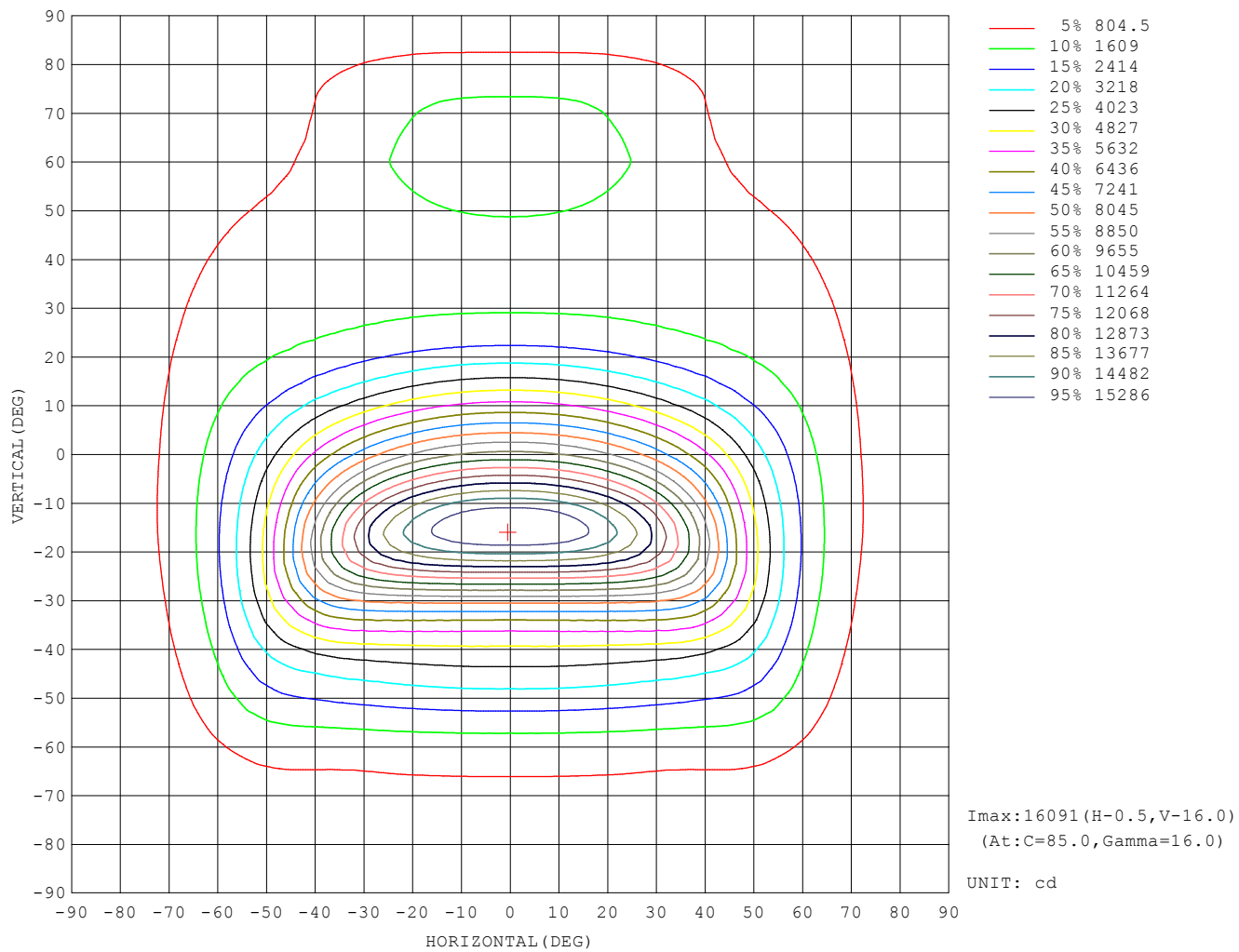
### UTILIZATION FACTORS TABLE

| 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 66                                                   | 56  | 50        | 66  | 56  | 50  | 65  | 56            | 50  | 44     |
| 0.80                             | 76                                                   | 66  | 60        | 75  | 66  | 60  | 73  | 65            | 59  | 53     |
| 1.00                             | 83                                                   | 74  | 68        | 82  | 73  | 68  | 80  | 74            | 67  | 61     |
| 1.25                             | 90                                                   | 81  | 75        | 88  | 80  | 75  | 86  | 79            | 74  | 67     |
| 1.50                             | 94                                                   | 86  | 80        | 92  | 85  | 79  | 90  | 83            | 78  | 72     |
| 2.00                             | 99                                                   | 92  | 87        | 98  | 91  | 86  | 95  | 89            | 85  | 78     |
| 2.50                             | 103                                                  | 96  | 91        | 101 | 95  | 90  | 97  | 92            | 88  | 81     |
| 3.00                             | 105                                                  | 100 | 95        | 103 | 98  | 94  | 100 | 95            | 92  | 84     |
| 4.00                             | 109                                                  | 104 | 100       | 106 | 102 | 99  | 102 | 99            | 96  | 88     |
| 5.00                             | 111                                                  | 107 | 103       | 108 | 105 | 102 | 104 | 101           | 99  | 90     |
| 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:

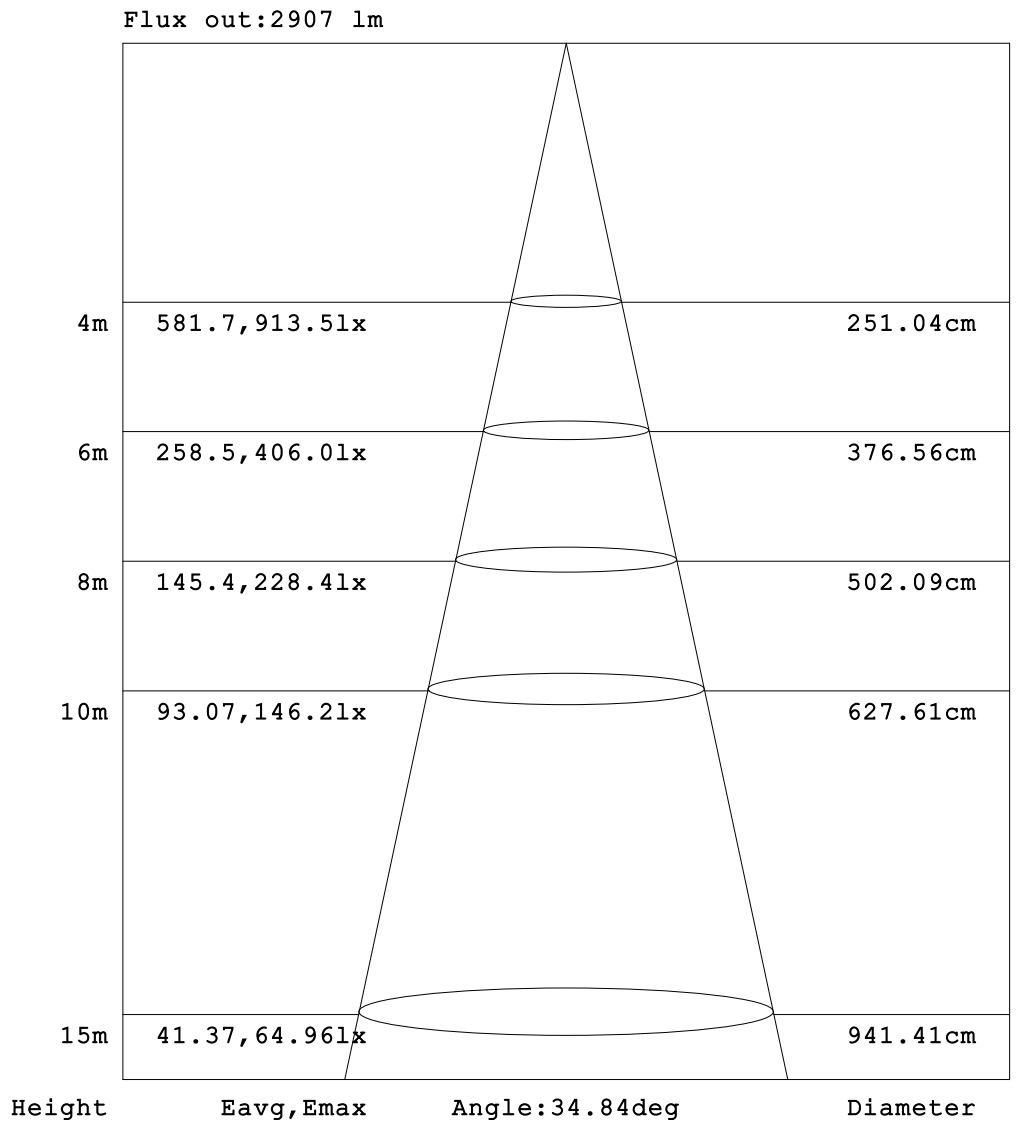
## ISOCANDELA DIAGRAM



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

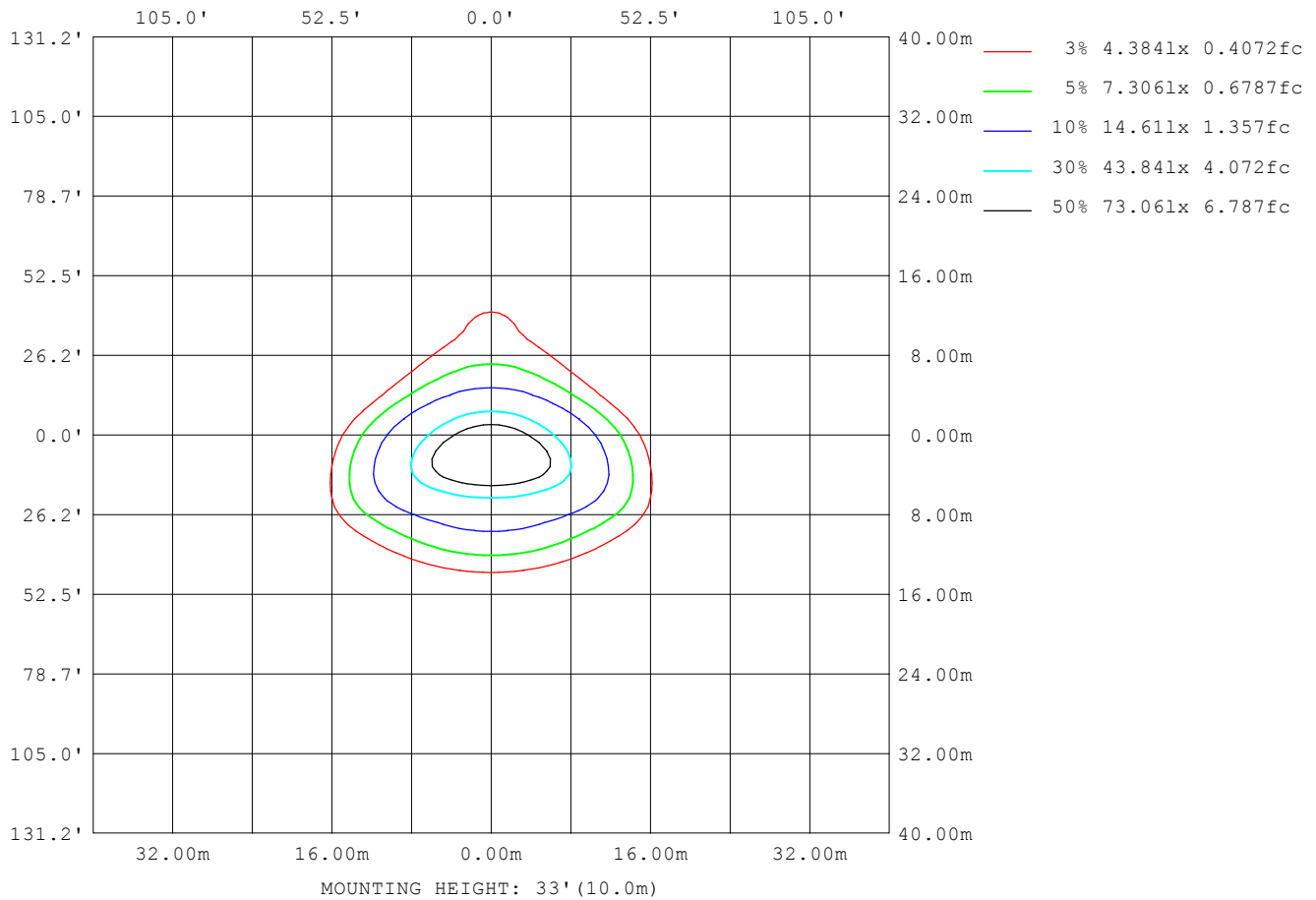


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

$\gamma$  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:

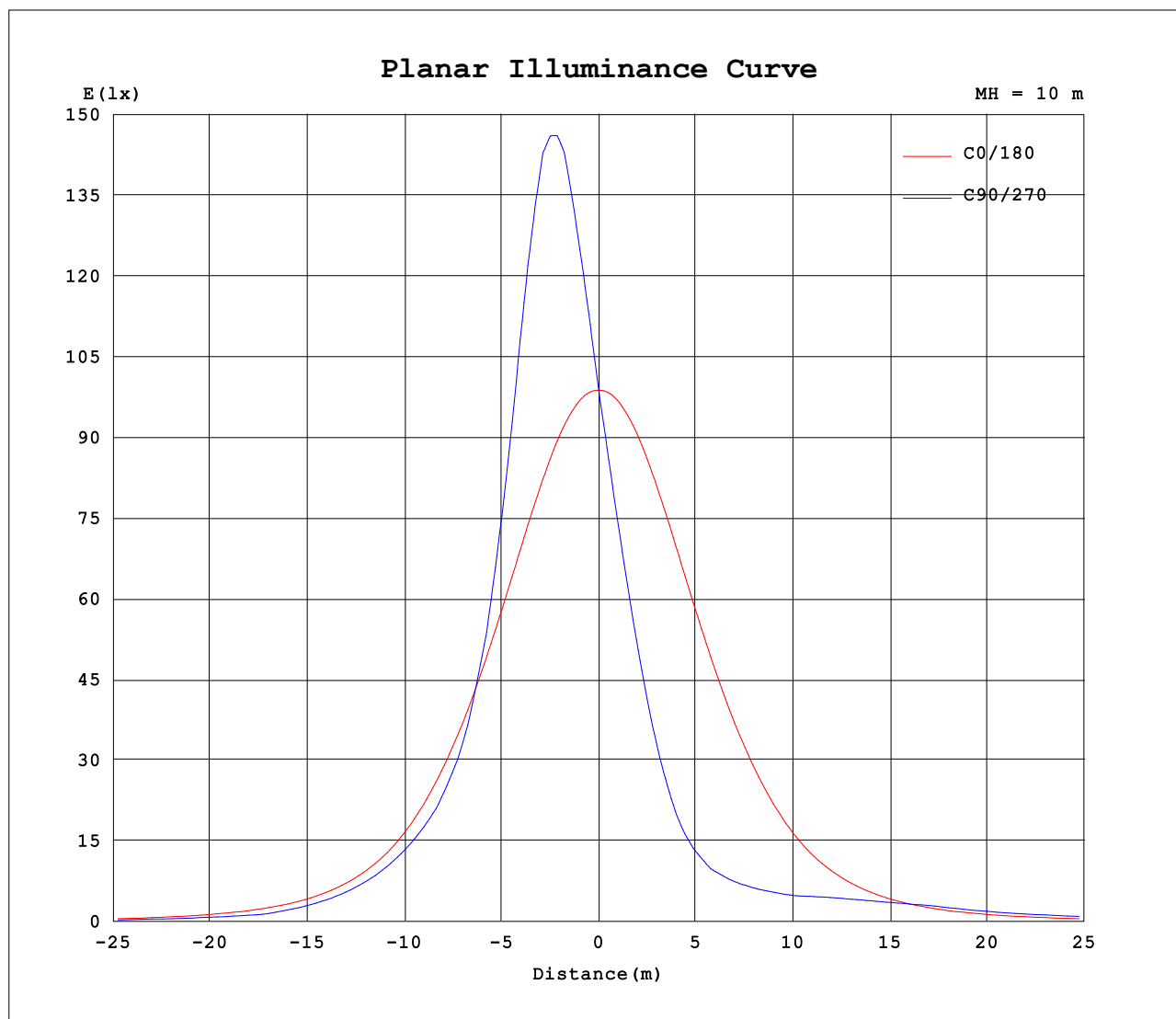
# ISOLUX DIAGRAM



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

$\gamma$  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:

## 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:

```

```

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:

```