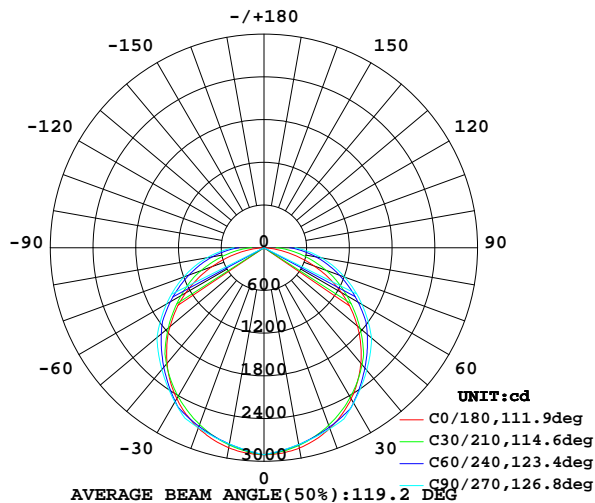


## LUMINAIRE PHOTOMETRIC TEST REPORT

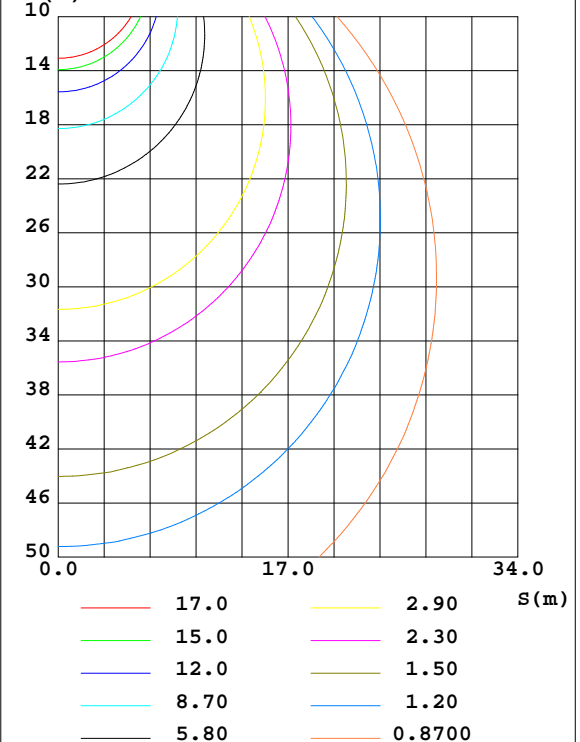
|   |              |                   |
|---|--------------|-------------------|
| Test:U:120.3V I:0.6490A P:77.30W PF:0.9905 Lamp Flux:4606.87x2 lm |              |                   |
| NAME: MSS8-40/60/80/D10/U/35-40-50                                | TYPE:LED     | WEIGHT:           |
| SPEC.:  | DIM.:        | SERIAL No.:1      |
| MFR.: EVERFINE  | SUR.:2438*52 | PROTECTION ANGLE: |

| DATA OF LAMP     |         | PHOTOMETRIC DATA Eff: 119.19 lm/W |        |                   |          |
|------------------|---------|-----------------------------------|--------|-------------------|----------|
| MODEL            | 5000K   | I <sub>max</sub> (cd)             | 2907   | S/MH(C0/180)      | 1.25     |
| NOMINAL POWER(W) | 80      | LOR(%)                            | 100.0  | S/MH(C90/270)     | 1.28     |
| RATED VOLTAGE(V) | 120     | TOTAL FLUX(lm)                    | 9213.7 | η UP,DN(C0-180)   | 0.0,50.1 |
| NOMINAL FLUX(lm) | 4606.87 | CIE CLASS                         | DIRECT | η UP,DN(C180-360) | 0.0,49.9 |
| LAMPS INSIDE     | 2       | η up(%)                           | 0.0    | CIBSE SHR NOM     | 1.25     |
| TEST VOLTAGE(V)  | 120     | η down(%)                         | 100.0  | CIBSE SHR MAX     | 1.35     |

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:2022-08-19

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.290  
Humidity:65.0%  
Test Distance:8.600m [K=1.0314]  
Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

| $\gamma$ | C0                    | C45   | C90   | C135  | C180  | C225  | C270  | C315  | $\gamma$ | $\Phi$ zone | $\Phi$ total | $\Phi$ lum, lamp |
|----------|-----------------------|-------|-------|-------|-------|-------|-------|-------|----------|-------------|--------------|------------------|
| 5        | 2898                  | 2865  | 2856  | 2863  | 2894  | 2861  | 2853  | 2863  | 0- 5     | 68.90       | 68.90        | 0.75,0.75        |
| 10       | 2857                  | 2810  | 2806  | 2809  | 2854  | 2805  | 2799  | 2806  | 5- 10    | 203.1       | 272.0        | 2.95,2.95        |
| 15       | 2790                  | 2743  | 2755  | 2740  | 2786  | 2733  | 2745  | 2739  | 10- 15   | 329.9       | 601.9        | 6.53,6.53        |
| 20       | 2700                  | 2665  | 2705  | 2659  | 2695  | 2651  | 2691  | 2656  | 15- 20   | 446.5       | 1048         | 11.4,11.4        |
| 25       | 2585                  | 2575  | 2654  | 2569  | 2585  | 2558  | 2638  | 2566  | 20- 25   | 550.9       | 1599         | 17.4,17.4        |
| 30       | 2449                  | 2475  | 2518  | 2471  | 2448  | 2458  | 2503  | 2468  | 25- 30   | 638.9       | 2238         | 24.3,24.3        |
| 35       | 2292                  | 2351  | 2382  | 2347  | 2294  | 2333  | 2367  | 2342  | 30- 35   | 704.5       | 2943         | 31.9,31.9        |
| 40       | 2116                  | 2175  | 2245  | 2173  | 2117  | 2161  | 2232  | 2168  | 35- 40   | 748.1       | 3691         | 40.1,40.1        |
| 45       | 1922                  | 1997  | 2109  | 1995  | 1932  | 1986  | 2097  | 1993  | 40- 45   | 770.4       | 4461         | 48.4,48.4        |
| 50       | 1714                  | 1818  | 1973  | 1816  | 1722  | 1811  | 1962  | 1816  | 45- 50   | 772.4       | 5234         | 56.8,56.8        |
| 55       | 1489                  | 1640  | 1781  | 1641  | 1504  | 1636  | 1772  | 1640  | 50- 55   | 752.5       | 5986         | 65,65            |
| 60       | 1252                  | 1460  | 1589  | 1463  | 1270  | 1458  | 1581  | 1461  | 55- 60   | 708.5       | 6695         | 72.7,72.7        |
| 65       | 1005                  | 1245  | 1397  | 1246  | 1025  | 1245  | 1390  | 1246  | 60- 65   | 644.7       | 7339         | 79.7,79.7        |
| 70       | 751.2                 | 1037  | 1205  | 1036  | 776.3 | 1038  | 1199  | 1038  | 65- 70   | 565.3       | 7905         | 85.8,85.8        |
| 75       | 499.3                 | 837.8 | 1013  | 834.1 | 532.6 | 838.1 | 1008  | 837.7 | 70- 75   | 474.3       | 8379         | 90.9,90.9        |
| 80       | 264.8                 | 645.4 | 820.5 | 640.3 | 295.5 | 645.6 | 812.3 | 642.6 | 75- 80   | 376.3       | 8755         | 95,95            |
| 85       | 78.37                 | 459.8 | 627.8 | 458.9 | 104.2 | 458.6 | 616.4 | 452.7 | 80- 85   | 276.6       | 9032         | 98,98            |
| 90       | 1.555                 | 279.3 | 435.1 | 282.3 | 1.474 | 276.3 | 420.6 | 267.6 | 85- 90   | 181.8       | 9214         | 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:cd |       |       |       |       |       |       |       |          | UNIT:lm     |              |                  |

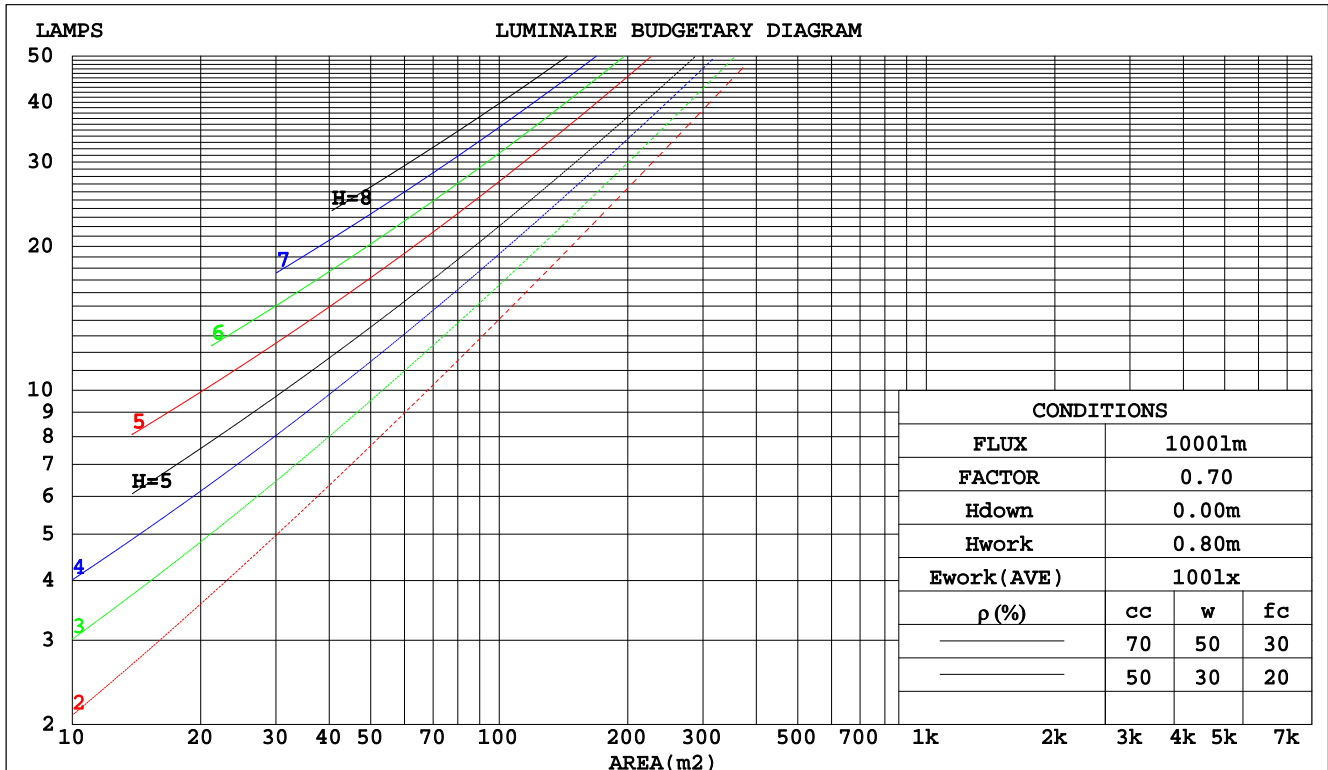
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-08-19

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 $\gamma$  Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.290  
 Humidity:65.0%  
 Test Distance:8.600m [K=1.0314]  
 Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|   |              |                   |
|---|--------------|-------------------|
| Test:U:120.3V I:0.6490A P:77.30W PF:0.9905 Lamp Flux:4606.87x2 lm |              |                   |
| NAME: MSS8-40/60/80/D10/U/35-40-50                                | TYPE:LED     | WEIGHT:           |
| SPEC.:  | DIM.:        | SERIAL No.:1      |
| MFR.: EVERFINE  | SUR.:2438*52 | PROTECTION ANGLE: |

| 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  | 1.01                  | .97  | .92  | .99  | .95  | .91  | .95                             | .91  | .88  | .91  | .88  | .85  | .87  | .85  | .82  | .80 |
| 2.0  | .87                   | .80  | .74  | .86  | .79  | .73  | .82                             | .76  | .71  | .79  | .74  | .69  | .75  | .71  | .68  | .65 |
| 3.0  | .76                   | .67  | .60  | .75  | .66  | .60  | .72                             | .65  | .59  | .69  | .63  | .58  | .66  | .61  | .57  | .54 |
| 4.0  | .67                   | .58  | .51  | .66  | .57  | .50  | .63                             | .56  | .50  | .61  | .54  | .49  | .59  | .53  | .48  | .46 |
| 5.0  | .60                   | .50  | .43  | .59  | .50  | .43  | .57                             | .49  | .43  | .54  | .48  | .42  | .53  | .47  | .42  | .39 |
| 6.0  | .54                   | .44  | .38  | .53  | .44  | .37  | .51                             | .43  | .37  | .49  | .42  | .37  | .48  | .41  | .36  | .34 |
| 7.0  | .49                   | .40  | .33  | .48  | .39  | .33  | .46                             | .38  | .33  | .45  | .38  | .32  | .43  | .37  | .32  | .30 |
| 8.0  | .44                   | .36  | .29  | .44  | .35  | .29  | .42                             | .35  | .29  | .41  | .34  | .29  | .40  | .33  | .29  | .27 |
| 9.0  | .41                   | .32  | .26  | .40  | .32  | .26  | .39                             | .31  | .26  | .38  | .31  | .26  | .37  | .30  | .26  | .24 |
| 10.0 | .37                   | .29  | .24  | .37  | .29  | .24  | .36                             | .29  | .24  | .35  | .28  | .24  | .34  | .28  | .23  | .22 |



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-19

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.290  
Humidity:65.0%  
Test Distance:8.600m [K=1.0314]  
Remarks:

## WEC AND CCEC

|   |  |  |              |  |                   |
|---|--|--|--------------|--|-------------------|
| Test:U:120.3V I:0.6490A P:77.30W PF:0.9905 Lamp Flux:4606.87x2 lm |  |  |              |  |                   |
| NAME: MSS8-40/60/80/D10/U/35-40-50                                |  |  | TYPE:LED     |  | WEIGHT:           |
| SPEC.:  |  |  | DIM.:        |  | SERIAL No.:1      |
| MFR.: EVERFINE  |  |  | SUR.:2438*52 |  | PROTECTION ANGLE: |

| 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  | .356                  | .202 | .064 | .349 | .199 | .063 | .335                            | .192 | .061 | .323 | .186 | .060 | .311 | .181 | .058 |   |
| 2.0  | .320                  | .176 | .054 | .314 | .173 | .053 | .302                            | .168 | .052 | .291 | .163 | .051 | .281 | .159 | .050 |   |
| 3.0  | .290                  | .154 | .046 | .284 | .152 | .046 | .274                            | .148 | .045 | .264 | .145 | .044 | .255 | .141 | .044 |   |
| 4.0  | .264                  | .137 | .040 | .259 | .135 | .040 | .249                            | .132 | .040 | .241 | .129 | .039 | .233 | .126 | .038 |   |
| 5.0  | .241                  | .123 | .036 | .237 | .122 | .035 | .229                            | .119 | .035 | .221 | .117 | .035 | .214 | .114 | .034 |   |
| 6.0  | .222                  | .111 | .032 | .218 | .110 | .032 | .211                            | .108 | .031 | .204 | .106 | .031 | .198 | .104 | .031 |   |
| 7.0  | .206                  | .102 | .029 | .202 | .101 | .029 | .196                            | .099 | .029 | .190 | .097 | .028 | .184 | .095 | .028 |   |
| 8.0  | .191                  | .094 | .026 | .188 | .093 | .026 | .182                            | .091 | .026 | .177 | .090 | .026 | .172 | .088 | .026 |   |
| 9.0  | .179                  | .086 | .024 | .176 | .086 | .024 | .171                            | .084 | .024 | .166 | .083 | .024 | .161 | .082 | .024 |   |
| 10.0 | .168                  | .080 | .022 | .165 | .080 | .022 | .160                            | .079 | .022 | .156 | .077 | .022 | .152 | .076 | .022 |   |

| pcc  | 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  | .183                  | .156 | .131 | .157 | .134 | .112 | .107                                       | .092 | .078 | .062 | .053 | .045 | .020 | .017 | .015 |   |
| 2.0  | .176                  | .132 | .095 | .151 | .113 | .082 | .103                                       | .078 | .057 | .060 | .046 | .033 | .019 | .015 | .011 |   |
| 3.0  | .168                  | .114 | .071 | .144 | .099 | .062 | .099                                       | .069 | .043 | .057 | .040 | .026 | .018 | .013 | .008 |   |
| 4.0  | .160                  | .101 | .056 | .138 | .088 | .049 | .095                                       | .061 | .034 | .055 | .036 | .020 | .018 | .012 | .007 |   |
| 5.0  | .153                  | .091 | .046 | .131 | .079 | .040 | .090                                       | .055 | .028 | .052 | .032 | .017 | .017 | .011 | .005 |   |
| 6.0  | .145                  | .083 | .038 | .125 | .072 | .033 | .086                                       | .050 | .023 | .050 | .029 | .014 | .016 | .010 | .005 |   |
| 7.0  | .138                  | .076 | .032 | .119 | .066 | .028 | .082                                       | .046 | .020 | .048 | .027 | .012 | .015 | .009 | .004 |   |
| 8.0  | .131                  | .070 | .028 | .113 | .061 | .024 | .078                                       | .043 | .017 | .046 | .025 | .010 | .015 | .008 | .003 |   |
| 9.0  | .125                  | .065 | .025 | .108 | .056 | .021 | .075                                       | .040 | .015 | .043 | .023 | .009 | .014 | .008 | .003 |   |
| 10.0 | .119                  | .061 | .022 | .103 | .053 | .019 | .071                                       | .037 | .014 | .042 | .022 | .008 | .013 | .007 | .003 |   |

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-08-19

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.290  
 Humidity:65.0%  
 Test Distance:8.600m [K=1.0314]  
 Remarks:

UGR(Unified Glare Rating) Table

|   |                  |      |      |      |              |                |      |                   |      |      |
|---|------------------|------|------|------|--------------|----------------|------|-------------------|------|------|
| Test:U:120.3V I:0.6490A P:77.30W PF:0.9905 Lamp Flux:4606.87x2 lm |                  |      |      |      |              |                |      |                   |      |      |
| NAME: MSS8-40/60/80/D10/U/35-40-50                                |                  |      |      |      | TYPE:LED     |                |      | WEIGHT:           |      |      |
| SPEC.:  |                  |      |      |      | DIM.:        |                |      | SERIAL No.:1      |      |      |
| MFR.: EVERFINE  |                  |      |      |      | SUR.:2438*52 |                |      | PROTECTION ANGLE: |      |      |
| 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   | 23.1             | 24.7 | 23.3 | 24.9 | 25.1         | 24.2           | 25.8 | 24.4              | 26.0 | 26.2 |
| 3H  | 24.5             | 26.0 | 24.8 | 26.3 | 26.5         | 26.3           | 27.8 | 26.6              | 28.0 | 28.3 |
| 4H  | 25.1             | 26.5 | 25.4 | 26.7 | 27.0         | 27.4           | 28.8 | 27.7              | 29.1 | 29.3 |
| 6H  | 25.4             | 26.7 | 25.7 | 27.0 | 27.3         | 28.5           | 29.8 | 28.8              | 30.1 | 30.4 |
| 8H  | 25.5             | 26.8 | 25.8 | 27.1 | 27.4         | 29.1           | 30.4 | 29.4              | 30.6 | 30.9 |
| 12H   | 25.5             | 26.7 | 25.8 | 27.0 | 27.3         | 29.7           | 30.9 | 30.0              | 31.2 | 31.5 |
| 4H 2H   | 24.0             | 25.4 | 24.3 | 25.6 | 25.9         | 24.8           | 26.2 | 25.1              | 26.5 | 26.7 |
| 3H  | 25.7             | 26.9 | 26.0 | 27.2 | 27.5         | 27.1           | 28.4 | 27.5              | 28.7 | 29.0 |
| 4H  | 26.4             | 27.5 | 26.8 | 27.9 | 28.2         | 28.4           | 29.6 | 28.8              | 29.9 | 30.2 |
| 6H  | 26.9             | 27.9 | 27.3 | 28.3 | 28.6         | 29.7           | 30.8 | 30.1              | 31.1 | 31.5 |
| 8H  | 27.0             | 28.0 | 27.4 | 28.4 | 28.7         | 30.4           | 31.4 | 30.8              | 31.7 | 32.1 |
| 12H   | 27.1             | 28.0 | 27.5 | 28.4 | 28.8         | 31.1           | 32.0 | 31.6              | 32.4 | 32.8 |
| 8H 4H   | 27.0             | 28.0 | 27.5 | 28.4 | 28.8         | 28.7           | 29.7 | 29.2              | 30.1 | 30.5 |
| 6H  | 27.8             | 28.6 | 28.3 | 29.1 | 29.5         | 30.3           | 31.1 | 30.8              | 31.5 | 32.0 |
| 8H  | 28.1             | 28.9 | 28.6 | 29.3 | 29.7         | 31.2           | 31.9 | 31.6              | 32.3 | 32.8 |
| 12H   | 28.3             | 28.9 | 28.8 | 29.4 | 29.9         | 32.1           | 32.8 | 32.6              | 33.2 | 33.7 |
| 12H 4H  | 27.2             | 28.1 | 27.6 | 28.5 | 28.9         | 28.8           | 29.7 | 29.2              | 30.1 | 30.5 |
| 6H  | 28.1             | 28.9 | 28.6 | 29.3 | 29.8         | 30.4           | 31.2 | 30.9              | 31.6 | 32.0 |
| 8H  | 28.6             | 29.2 | 29.0 | 29.6 | 30.1         | 31.4           | 32.0 | 31.9              | 32.5 | 32.9 |
| Variations with the observer position at spacings:                |                  |      |      |      |              |                |      |                   |      |      |
| S = 1.0H  | + 0.1 / - 0.1    |      |      |      |              | + 0.1 / - 0.1  |      |                   |      |      |
| 1.5H  | + 0.2 / - 0.2    |      |      |      |              | + 0.2 / - 0.3  |      |                   |      |      |
| 2.0H  | + 0.1 / - 0.3    |      |      |      |              | + 0.2 / - 0.4  |      |                   |      |      |

CIE Pub.117 Corrected 9214 lm Total Lamp Luminous Flux.(8log(F/F0) = 7.7)

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-08-19

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.290  
 Humidity:65.0%  
 Test Distance:8.600m [K=1.0314]  
 Remarks:

## UTILIZATION FACTORS TABLE

|   |              |                   |
|---|--------------|-------------------|
| Test:U:120.3V I:0.6490A P:77.30W PF:0.9905 Lamp Flux:4606.87x2 lm |              |                   |
| NAME: MSS8-40/60/80/D10/U/35-40-50                                | TYPE:LED     | WEIGHT:           |
| SPEC.:  | DIM.:        | SERIAL No.:1      |
| MFR.: EVERFINE  | SUR.:2438*52 | PROTECTION ANGLE: |

| 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                         | 55  | 43  | 36        | 54  | 43  | 36  | 53  | 42            | 36  | 29     |
| 0.80                             | 65  | 53  | 45        | 64  | 52  | 45  | 62  | 51            | 44  | 37     |
| 1.00                             | 73  | 61  | 53        | 72  | 61  | 53  | 69  | 62            | 53  | 45     |
| 1.25                             | 80  | 69  | 61        | 79  | 68  | 61  | 76  | 67            | 60  | 52     |
| 1.50                             | 85  | 74  | 67        | 83  | 74  | 66  | 80  | 72            | 65  | 57     |
| 2.00                             | 92  | 83  | 76        | 90  | 82  | 75  | 87  | 79            | 73  | 65     |
| 2.50                             | 96  | 88  | 81        | 94  | 86  | 80  | 90  | 84            | 78  | 69     |
| 3.00                             | 100   | 92  | 86        | 98  | 91  | 85  | 93  | 88            | 83  | 74     |
| 4.00                             | 104   | 98  | 92        | 102 | 96  | 91  | 97  | 92            | 88  | 79     |
| 5.00                             | 107   | 101 | 97        | 104 | 99  | 95  | 100 | 96            | 92  | 82     |
| 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:2022-08-19

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.290  
 Humidity:65.0%  
 Test Distance:8.600m [K=1.0314]  
 Remarks:

## ISOCANDELA DIAGRAM

|   |              |                   |
|---|--------------|-------------------|
| Test:U:120.3V I:0.6490A P:77.30W PF:0.9905 Lamp Flux:4606.87x2 lm |              |                   |
| NAME: MSS8-40/60/80/D10/U/35-40-50                                | TYPE:LED     | WEIGHT:           |
| SPEC.:  | DIM.:        | SERIAL No.:1      |
| MFR.: EVERFINE  | SUR.:2438*52 | PROTECTION ANGLE: |

Conical surface Flux(90deg):

4461.3 lm

%lum = 48.4%

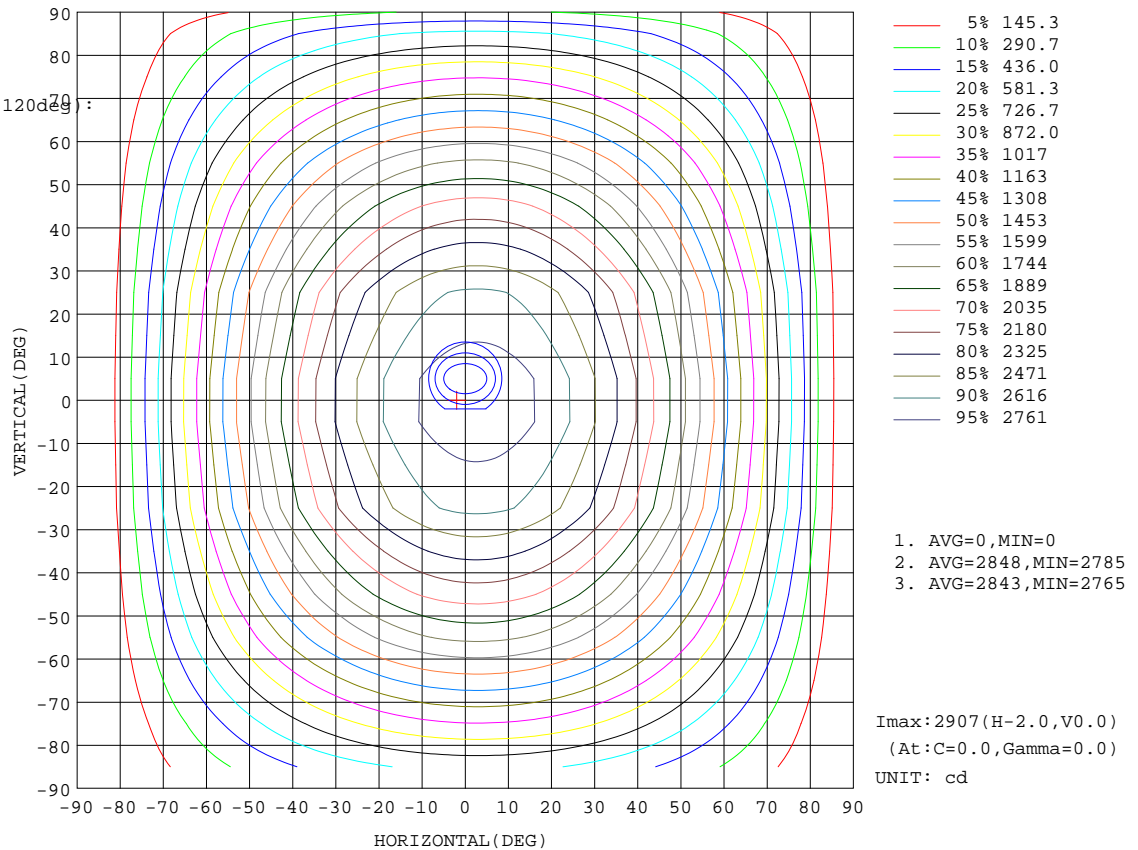
%lamp = 48.4%

Conical surface Flux(120deg):

6694.7 lm

%lum = 72.7%

%lamp = 72.7%

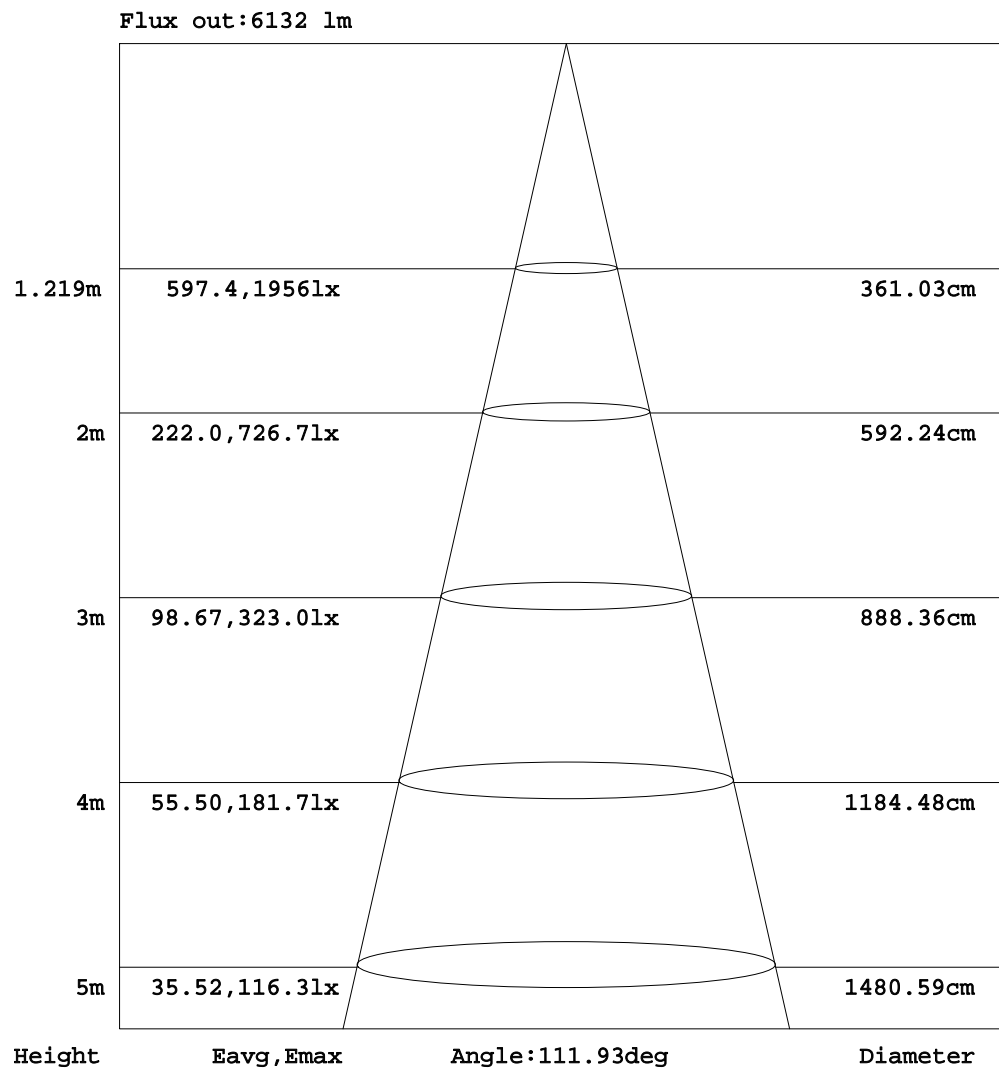


C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2022-08-19

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.290  
Humidity: 65.0%  
Test Distance: 8.600m [K=1.0314]  
Remarks:

## AAI Figure

|   |              |                   |
|---|--------------|-------------------|
| Test:U:120.3V I:0.6490A P:77.30W PF:0.9905 Lamp Flux:4606.87x2 lm |              |                   |
| NAME: MSS8-40/60/80/D10/U/35-40-50                                | TYPE:LED     | WEIGHT:           |
| SPEC.:  | DIM.:        | SERIAL No.:1      |
| MFR.: EVERFINE  | SUR.:2438*52 | PROTECTION ANGLE: |



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

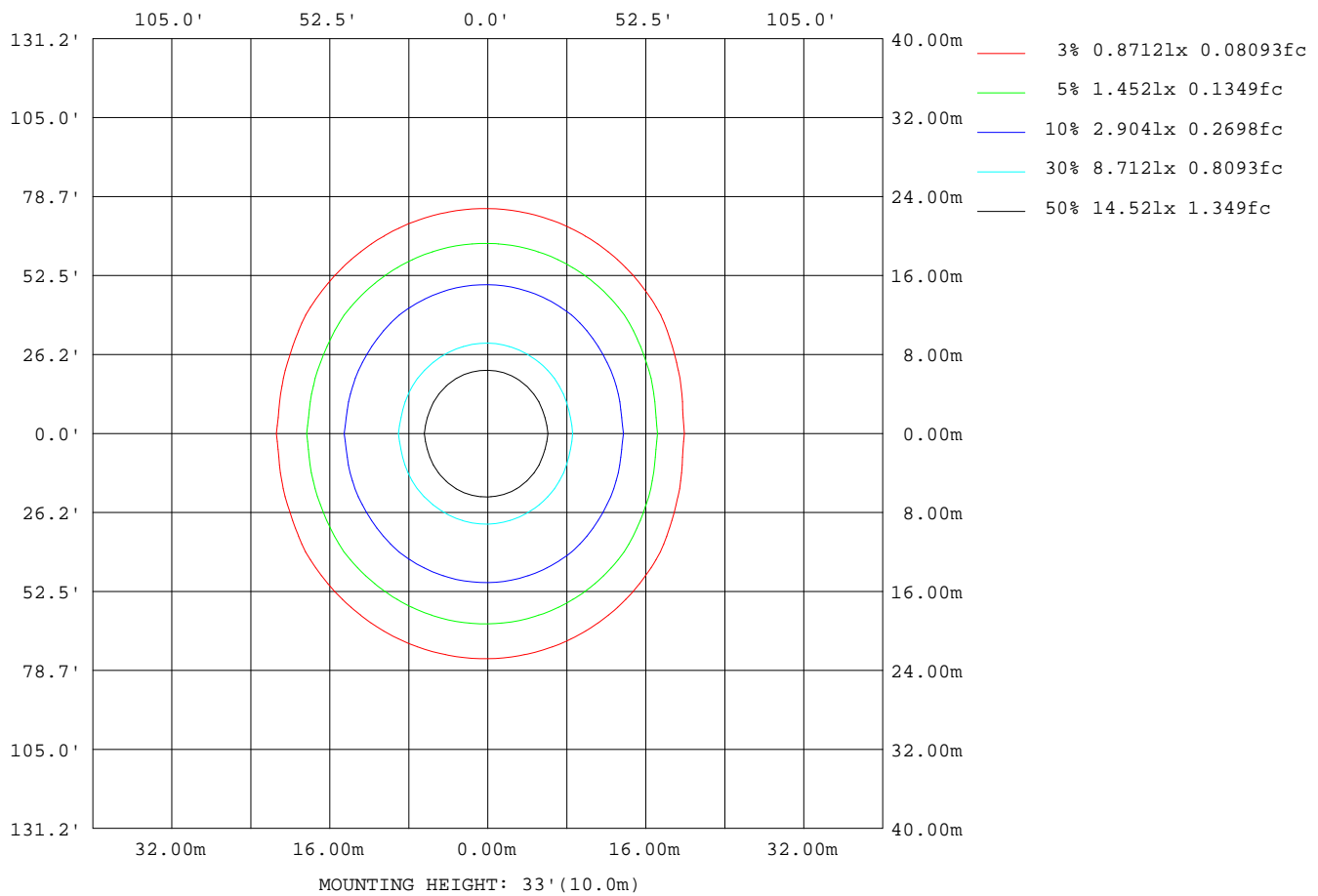
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-08-19

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.290  
 Humidity:65.0%  
 Test Distance:8.600m [K=1.0314]  
 Remarks:



## ISOLUX DIAGRAM

|   |              |                   |
|---|--------------|-------------------|
| Test:U:120.3V I:0.6490A P:77.30W PF:0.9905 Lamp Flux:4606.87x2 lm |              |                   |
| NAME: MSS8-40/60/80/D10/U/35-40-50                                | TYPE:LED     | WEIGHT:           |
| SPEC.:  | DIM.:        | SERIAL No.:1      |
| MFR.: EVERFINE  | SUR.:2438*52 | PROTECTION ANGLE: |



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-19

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.290  
Humidity:65.0%  
Test Distance:8.600m [K=1.0314]  
Remarks:

## LED Avg.L Report

|   |              |                   |
|---|--------------|-------------------|
| Test:U:120.3V I:0.6490A P:77.30W PF:0.9905 Lamp Flux:4606.87x2 lm |              |                   |
| NAME: MSS8-40/60/80/D10/U/35-40-50                                | TYPE:LED     | WEIGHT:           |
| SPEC.:  | DIM.:        | SERIAL No.:1      |
| MFR.: EVERFINE  | SUR.:2438*52 | PROTECTION ANGLE: |

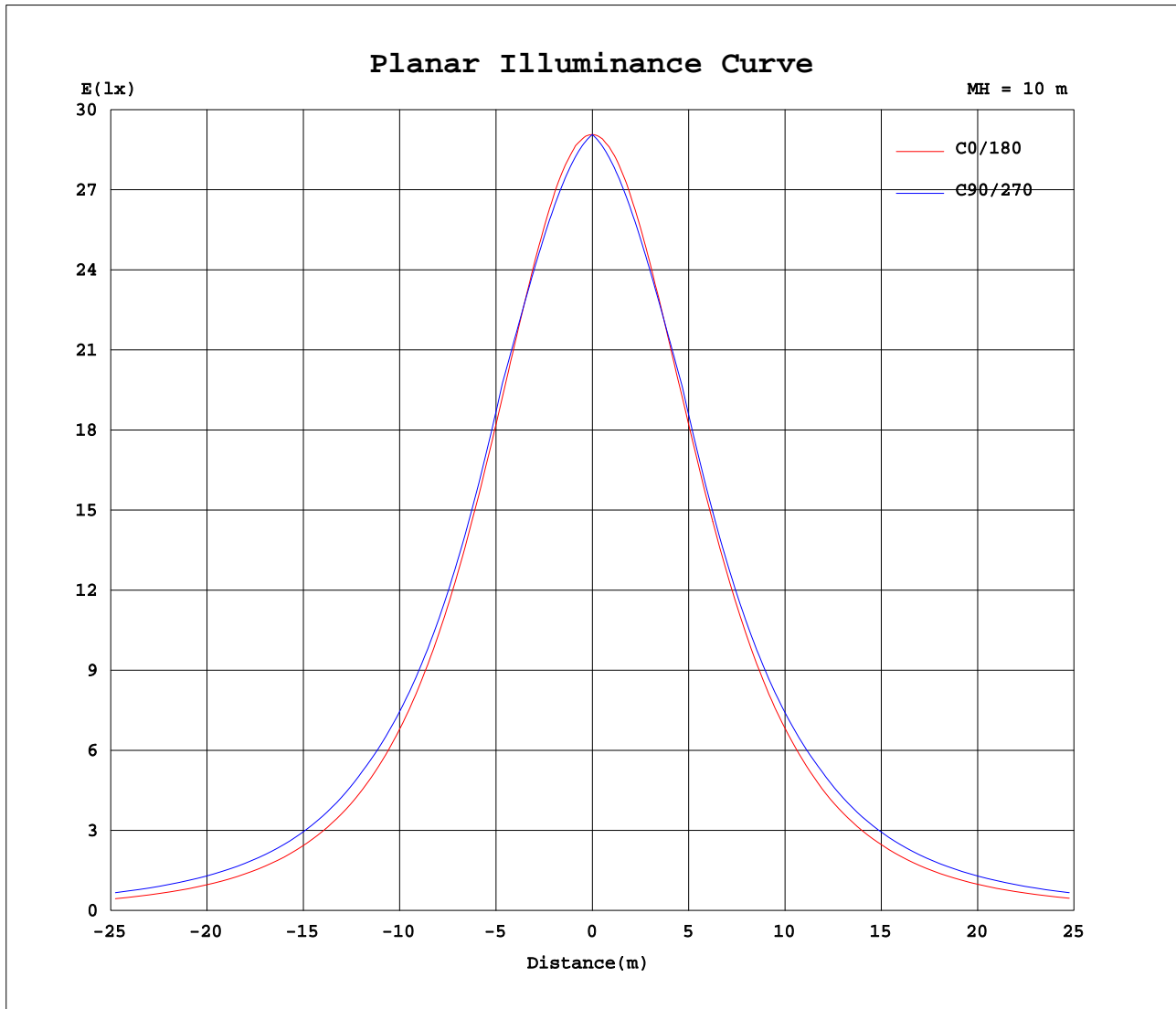
| AvgL           | cd/m2 |
|----------------|-------|
| L_0~180(65)av  | 18947 |
| L_0~180(75)av  | 15724 |
| L_0~180(85)av  | 8263  |
| L_90~270(65)av | 26008 |
| L_90~270(75)av | 30803 |
| L_90~270(85)av | 56306 |
| L_45(65)av     | 23250 |
| L_45(75)av     | 25507 |
| L_45(85)av     | 41405 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-08-19

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.290  
 Humidity:65.0%  
 Test Distance:8.600m [K=1.0314]  
 Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2022-08-19

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.290  
Humidity: 65.0%  
Test Distance: 8.600m [K=1.0314]  
Remarks:







D:\工程\2022\8月\HBF2022081901(MSS8-40-60-80-D10-U-35-40-50)\MSS8-40-60-80-D10-U-35-40-50(80W-5000K).GOS