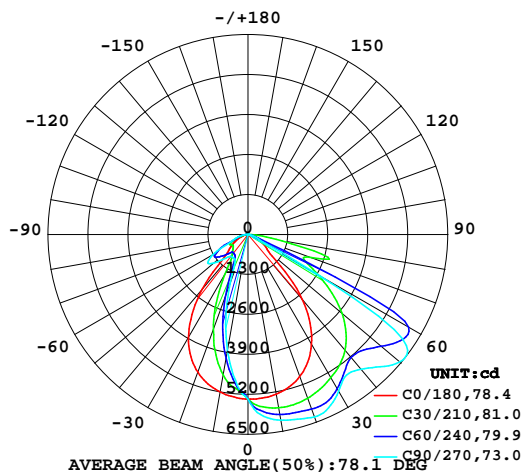


## LUMINAIRE PHOTOMETRIC TEST REPORT

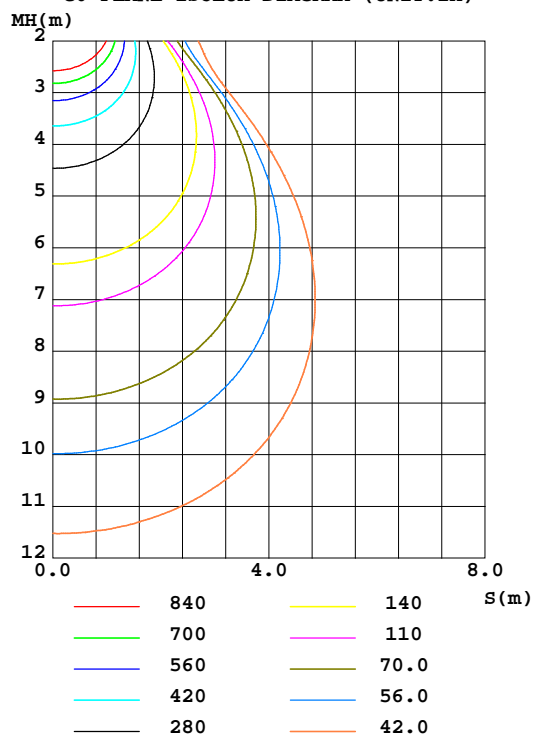
|  |       |                  |
|--|-------|------------------|
| Test:U:120.21V I:0.6357A P:76.419W PF:0.9903 Freq:59.98Hz Lamp Flux:12027.3x1 lm |       |                  |
| NAME: XWPD(76/105/125)W(30/40/50)W   | TYPE: | WEIGHT:          |
| SPEC.: 3000K   | DIM.: | SERIAL No.:      |
| MFR.:  | SUR.: | Shielding Angle: |

| DATA OF LAMP     |         | PHOTOMETRIC DATA Eff: 157.39 lm/W |        |                   |          |
|------------------|---------|-----------------------------------|--------|-------------------|----------|
| MODEL            |         | I <sub>max</sub> (cd)             | 6533   | S/MH(C0/180)      | 1.10     |
| NOMINAL POWER(W) | 76      | LOR(%)                            | 100.0  | S/MH(C90/270)     | 0.51     |
| RATED VOLTAGE(V) | 120-277 | TOTAL FLUX(lm)                    | 12027  | h UP,DN(C0-180)   | 0.2,75.1 |
| NOMINAL FLUX(lm) | 12027.3 | CIE CLASS                         | DIRECT | h UP,DN(C180-360) | 0.3,24.4 |
| LAMPS INSIDE     | 1       | h up(%)                           | 0.6    | CIBSE SHR NOM     | 1.00     |
| TEST VOLTAGE(V)  | 120     | h down(%)                         | 99.4   | CIBSE SHR MAX     | 1.00     |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Richard  
Test Date:2024-06-28

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.442  
Humidity:65.0%  
Test Distance:8.930m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

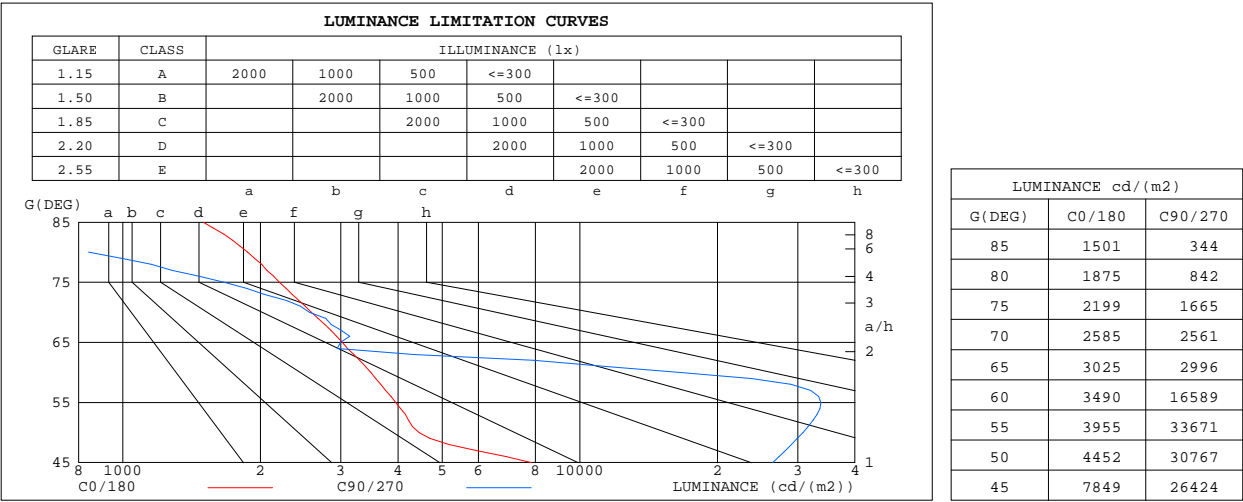
| g   | C0                    | C45   | C90   | C135  | C180  | C225  | C270  | C315  | g       | F zone  | F total | %lum,lamp |
|-----|-----------------------|-------|-------|-------|-------|-------|-------|-------|---------|---------|---------|-----------|
| 10  | 5271                  | 5847  | 6129  | 6004  | 5201  | 4329  | 3864  | 4249  | 0- 10   | 501.9   | 501.9   | 4.17,4.17 |
| 20  | 4922                  | 5868  | 6312  | 6039  | 4770  | 2675  | 1721  | 2539  | 10- 20  | 1336    | 1838    | 15.3,15.3 |
| 30  | 4134                  | 5760  | 5894  | 5913  | 3876  | 975.1 | 905.6 | 982.0 | 20- 30  | 1799    | 3638    | 30.2,30.2 |
| 40  | 2742                  | 5183  | 5720  | 5369  | 2305  | 710.5 | 938.1 | 751.5 | 30- 40  | 1996    | 5634    | 46.8,46.8 |
| 50  | 885.9                 | 4572  | 6444  | 4589  | 834.7 | 751.1 | 1448  | 820.2 | 40- 50  | 2150    | 7784    | 64.7,64.7 |
| 60  | 540.1                 | 4906  | 2703  | 4782  | 506.9 | 989.7 | 1334  | 1084  | 50- 60  | 2290    | 10074   | 83.8,83.8 |
| 70  | 273.7                 | 2754  | 285.4 | 3138  | 247.9 | 441.3 | 488.1 | 501.7 | 60- 70  | 1307    | 11381   | 94.6,94.6 |
| 80  | 100.8                 | 277.6 | 47.64 | 295.3 | 81.33 | 167.7 | 215.3 | 186.6 | 70- 80  | 488.9   | 11870   | 98.7,98.7 |
| 90  | 3.392                 | 2.489 | 2.761 | 2.934 | 1.109 | 13.06 | 13.17 | 22.69 | 80- 90  | 88.91   | 11959   | 99.4,99.4 |
| 100 | 3.681                 | 3.638 | 4.589 | 4.199 | 1.987 | 5.047 | 6.368 | 5.634 | 90-100  | 4.280   | 11963   | 99.5,99.5 |
| 110 | 6.938                 | 4.518 | 6.105 | 5.185 | 3.713 | 7.015 | 7.732 | 7.012 | 100-110 | 5.429   | 11969   | 99.5,99.5 |
| 120 | 11.39                 | 4.926 | 5.961 | 5.820 | 6.024 | 9.702 | 10.32 | 9.694 | 110-120 | 6.773   | 11975   | 99.6,99.6 |
| 130 | 16.29                 | 7.171 | 6.173 | 8.145 | 8.484 | 15.40 | 14.09 | 12.46 | 120-130 | 8.277   | 11984   | 99.6,99.6 |
| 140 | 20.74                 | 12.22 | 9.425 | 12.86 | 11.69 | 22.67 | 20.90 | 18.27 | 130-140 | 10.21   | 11994   | 99.7,99.7 |
| 150 | 24.03                 | 18.89 | 16.18 | 18.87 | 15.52 | 27.03 | 30.00 | 23.92 | 140-150 | 11.68   | 12006   | 99.8,99.8 |
| 160 | 26.21                 | 24.56 | 23.90 | 23.99 | 19.96 | 29.86 | 33.48 | 27.99 | 150-160 | 11.03   | 12017   | 99.9,99.9 |
| 170 | 27.23                 | 28.70 | 29.57 | 27.81 | 24.46 | 31.90 | 34.24 | 30.73 | 160-170 | 7.878   | 12024   | 100,100   |
| 180 | 26.65                 | 31.07 | 32.61 | 29.78 | 26.75 | 31.00 | 32.65 | 29.73 | 170-180 | 2.838   | 12027   | 100,100   |
| DEG | LUMINOUS INTENSITY:cd |       |       |       |       |       |       |       |         | UNIT:lm |         |           |

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Richard  
Test Date:2024-06-28

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.442  
Humidity:65.0%  
Test Distance:8.930m [K=1.0000]  
Remarks:

LUMINANCE LIMITATION CURVES

|  |       |                  |
|--|-------|------------------|
| Test:U:120.21V I:0.6357A P:76.419W PF:0.9903 Freq:59.98Hz Lamp Flux:12027.3x1 lm |       |                  |
| NAME: XWPD(76/105/125)W(30/40/50)W   | TYPE: | WEIGHT:          |
| SPEC.: 3000K   | DIM.: | SERIAL No.:      |
| MFR.:  | SUR.: | Shielding Angle: |



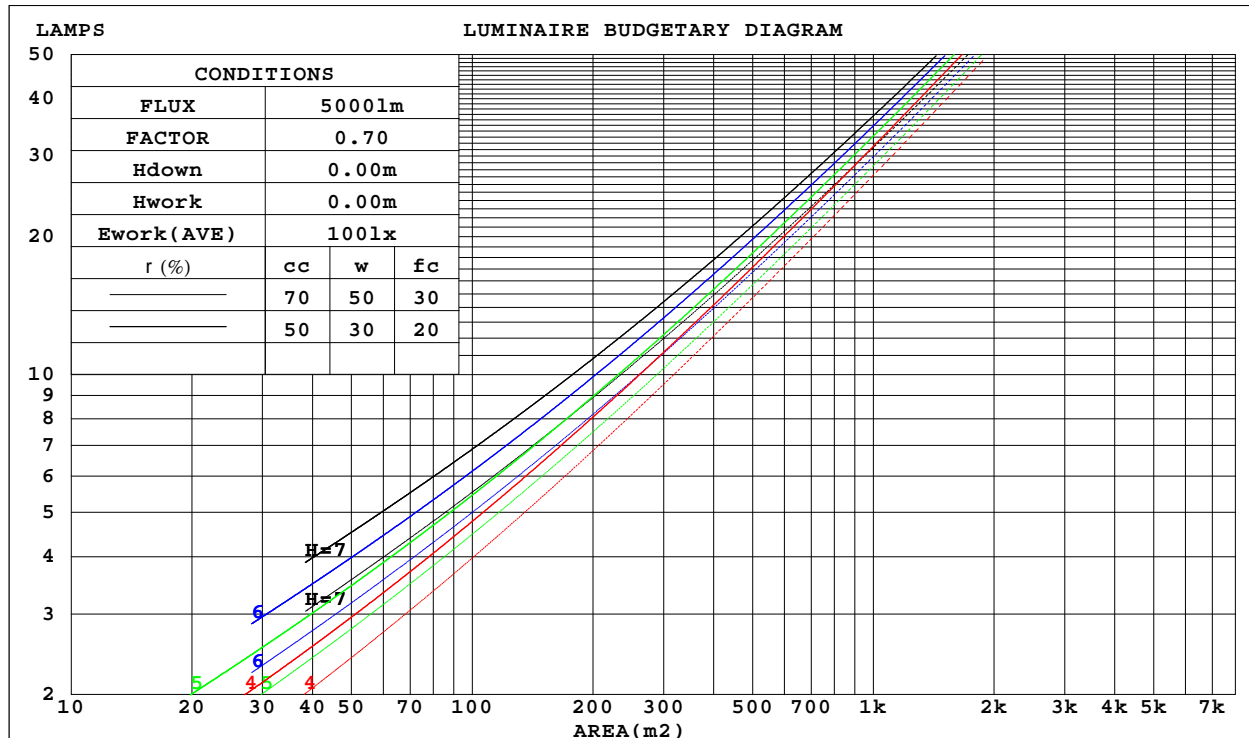
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Richard  
Test Date:2024-06-28

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.442  
Humidity:65.0%  
Test Distance:8.930m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|  |       |                  |
|--|-------|------------------|
| Test:U:120.21V I:0.6357A P:76.419W PF:0.9903 Freq:59.98Hz Lamp Flux:12027.3x1 lm |       |                  |
| NAME: XWPD(76/105/125)W(30/40/50)W   | TYPE: | WEIGHT:          |
| SPEC.: 3000K   | DIM.: | SERIAL No.:      |
| MFR.:  | SUR.: | Shielding Angle: |

| r cc | 80%                   |      |      | 70%                             |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0   |
|------|-----------------------|------|------|---------------------------------|------|------|------|------|------|------|------|------|------|------|------|-----|
| r w  | 50%                   | 30%  | 10%  | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0   |
| r 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 | .99 |
| 1.0  | 1.05                  | 1.01 | .98  | 1.03                            | .99  | .96  | .99  | .96  | .93  | .95  | .92  | .90  | .91  | .89  | .87  | .85 |
| 2.0  | .92                   | .86  | .81  | .91                             | .85  | .80  | .87  | .82  | .78  | .84  | .80  | .76  | .81  | .77  | .74  | .72 |
| 3.0  | .82                   | .74  | .68  | .80                             | .73  | .67  | .77  | .71  | .66  | .74  | .69  | .65  | .72  | .67  | .63  | .61 |
| 4.0  | .72                   | .64  | .58  | .71                             | .63  | .57  | .69  | .62  | .56  | .66  | .60  | .56  | .64  | .59  | .55  | .53 |
| 5.0  | .65                   | .56  | .50  | .64                             | .56  | .49  | .62  | .54  | .49  | .60  | .53  | .48  | .58  | .52  | .48  | .46 |
| 6.0  | .59                   | .50  | .44  | .58                             | .49  | .43  | .56  | .48  | .43  | .54  | .47  | .43  | .52  | .47  | .42  | .40 |
| 7.0  | .53                   | .45  | .39  | .52                             | .44  | .38  | .51  | .43  | .38  | .49  | .43  | .38  | .48  | .42  | .37  | .36 |
| 8.0  | .49                   | .40  | .35  | .48                             | .40  | .34  | .47  | .39  | .34  | .45  | .39  | .34  | .44  | .38  | .34  | .32 |
| 9.0  | .45                   | .37  | .31  | .44                             | .36  | .31  | .43  | .36  | .31  | .42  | .35  | .31  | .41  | .35  | .31  | .29 |
| 10.0 | .41                   | .34  | .28  | .41                             | .33  | .28  | .40  | .33  | .28  | .39  | .32  | .28  | .38  | .32  | .28  | .26 |



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Richard  
Test Date:2024-06-28

g Range: 0 - 180DEG  
q Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.442  
Humidity:65.0%  
Test Distance:8.930m [K=1.0000]  
Remarks:

## WEC AND CCEC

|  |       |                  |
|--|-------|------------------|
| Test:U:120.21V I:0.6357A P:76.419W PF:0.9903 Freq:59.98Hz Lamp Flux:12027.3x1 lm |       |                  |
| NAME: XWPD(76/105/125)W(30/40/50)W   | TYPE: | WEIGHT:          |
| SPEC.: 3000K   | DIM.: | SERIAL No.:      |
| MFR.:  | SUR.: | Shielding Angle: |

| r cc | 80%                   |      |      | 70%  |      |      | 50%                             |      |      | 30%  |      |      | 10%  |      |      | 0 |
|------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|
| r w  | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| r fc | 20%                   |      |      | 20%  |      |      | 20%                             |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR  | RCR:Room Cavity Ratio |      |      |      |      |      | Wall Exitance Coefficients(WEC) |      |      |      |      |      |      |      |      |   |
| 0.0  |                       |      |      |      |      |      |                                 |      |      |      |      |      |      |      |      |   |
| 1.0  | .280                  | .159 | .051 | .273 | .156 | .050 | .260                            | .149 | .048 | .247 | .143 | .046 | .236 | .137 | .044 |   |
| 2.0  | .271                  | .148 | .046 | .265 | .146 | .045 | .253                            | .141 | .044 | .242 | .136 | .042 | .232 | .131 | .041 |   |
| 3.0  | .255                  | .136 | .041 | .249 | .134 | .040 | .239                            | .129 | .039 | .229 | .126 | .039 | .220 | .122 | .038 |   |
| 4.0  | .238                  | .124 | .036 | .233 | .122 | .036 | .224                            | .119 | .035 | .215 | .115 | .035 | .207 | .112 | .034 |   |
| 5.0  | .222                  | .113 | .033 | .217 | .111 | .032 | .209                            | .109 | .032 | .201 | .106 | .032 | .194 | .104 | .031 |   |
| 6.0  | .207                  | .104 | .030 | .203 | .102 | .029 | .195                            | .100 | .029 | .188 | .098 | .029 | .182 | .096 | .028 |   |
| 7.0  | .193                  | .095 | .027 | .190 | .094 | .027 | .183                            | .092 | .027 | .177 | .091 | .026 | .171 | .089 | .026 |   |
| 8.0  | .181                  | .088 | .025 | .178 | .087 | .025 | .172                            | .086 | .025 | .166 | .084 | .024 | .161 | .083 | .024 |   |
| 9.0  | .170                  | .082 | .023 | .167 | .081 | .023 | .162                            | .080 | .023 | .157 | .079 | .022 | .152 | .077 | .022 |   |
| 10.0 | .160                  | .077 | .021 | .157 | .076 | .021 | .153                            | .075 | .021 | .148 | .074 | .021 | .144 | .072 | .021 |   |

| r cc | 80%                   |      |      | 70%  |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0 |
|------|-----------------------|------|------|------|------|------|--|------|------|------|------|------|------|------|------|---|
| r w  | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| r fc | 20%                   |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR  | RCR:Room Cavity Ratio |      |      |      |      |      | Ceiling Cavity Exitance Coefficients(CCEC) |      |      |      |      |      |      |      |      |   |
| 0.0  | .195                  | .195 | .195 | .166 | .166 | .166 | .114                                       | .114 | .114 | .065 | .065 | .065 | .021 | .021 | .021 |   |
| 1.0  | .183                  | .161 | .141 | .156 | .138 | .121 | .107                                       | .095 | .084 | .062 | .055 | .049 | .020 | .018 | .016 |   |
| 2.0  | .174                  | .136 | .105 | .149 | .117 | .091 | .102                                       | .081 | .063 | .059 | .047 | .037 | .019 | .015 | .012 |   |
| 3.0  | .166                  | .119 | .081 | .142 | .102 | .070 | .098                                       | .071 | .049 | .056 | .042 | .029 | .018 | .013 | .009 |   |
| 4.0  | .158                  | .105 | .064 | .136 | .091 | .056 | .094                                       | .063 | .039 | .054 | .037 | .023 | .017 | .012 | .008 |   |
| 5.0  | .151                  | .095 | .053 | .130 | .082 | .046 | .089                                       | .057 | .033 | .052 | .034 | .019 | .017 | .011 | .006 |   |
| 6.0  | .144                  | .086 | .045 | .124 | .075 | .039 | .086                                       | .052 | .027 | .050 | .031 | .016 | .016 | .010 | .005 |   |
| 7.0  | .138                  | .079 | .038 | .118 | .069 | .034 | .082                                       | .048 | .024 | .048 | .028 | .014 | .015 | .009 | .005 |   |
| 8.0  | .131                  | .074 | .034 | .113 | .064 | .029 | .078                                       | .045 | .021 | .046 | .026 | .012 | .015 | .009 | .004 |   |
| 9.0  | .125                  | .069 | .030 | .108 | .060 | .026 | .075                                       | .042 | .019 | .044 | .025 | .011 | .014 | .008 | .004 |   |
| 10.0 | .120                  | .064 | .027 | .103 | .056 | .024 | .072                                       | .039 | .017 | .042 | .023 | .010 | .014 | .008 | .003 |   |

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Richard  
 Test Date:2024-06-28

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.442  
 Humidity:65.0%  
 Test Distance:8.930m [K=1.0000]  
 Remarks:

UGR(Unified Glare Rating) Table

|  |               |                  |      |      |      |               |                |                  |      |      |      |
|--|---------------|------------------|------|------|------|---------------|----------------|------------------|------|------|------|
| Test:U:120.21V I:0.6357A P:76.419W PF:0.9903 Freq:59.98Hz Lamp Flux:12027.3x1 lm |               |                  |      |      |      |               |                |                  |      |      |      |
| NAME: XWPD(76/105/125)W(30/40/50)W   |               |                  |      |      |      | TYPE:         |                | WEIGHT:          |      |      |      |
| SPEC.: 3000K   |               |                  |      |      |      | DIM.:         |                | SERIAL No.:      |      |      |      |
| MFR.:  |               |                  |      |      |      | SUR.:         |                | Shielding 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  | 13.7          | 15.1             | 13.9 | 15.3 | 15.5 | 18.6          | 20.0           | 18.8             | 20.2 | 20.5 |      |
|  | 3H            | 13.8             | 15.1 | 14.1 | 15.4 | 15.6          | 18.4           | 19.7             | 18.7 | 20.0 | 20.2 |
|  | 4H            | 13.8             | 15.0 | 14.1 | 15.3 | 15.6          | 18.3           | 19.6             | 18.6 | 19.8 | 20.1 |
|  | 6H            | 13.7             | 14.9 | 14.1 | 15.2 | 15.5          | 18.2           | 19.4             | 18.5 | 19.7 | 19.9 |
|  | 8H            | 13.7             | 14.8 | 14.0 | 15.1 | 15.4          | 18.1           | 19.3             | 18.5 | 19.6 | 19.9 |
|  | 12H           | 13.6             | 14.8 | 14.0 | 15.1 | 15.4          | 18.1           | 19.2             | 18.4 | 19.5 | 19.8 |
| 4H   | 2H            | 16.7             | 18.0 | 17.0 | 18.2 | 18.5          | 19.3           | 20.6             | 19.7 | 20.9 | 21.1 |
|  | 3H            | 17.7             | 18.8 | 18.1 | 19.1 | 19.5          | 19.2           | 20.3             | 19.6 | 20.6 | 21.0 |
|  | 4H            | 18.2             | 19.2 | 18.6 | 19.6 | 19.9          | 19.1           | 20.1             | 19.5 | 20.5 | 20.8 |
|  | 6H            | 18.2             | 19.1 | 18.6 | 19.5 | 19.9          | 19.0           | 19.9             | 19.5 | 20.3 | 20.7 |
|  | 8H            | 18.2             | 19.0 | 18.6 | 19.4 | 19.8          | 19.0           | 19.8             | 19.4 | 20.2 | 20.6 |
|  | 12H           | 18.2             | 18.9 | 18.6 | 19.3 | 19.7          | 19.0           | 19.7             | 19.4 | 20.1 | 20.5 |
| 8H   | 4H            | 18.6             | 19.4 | 19.0 | 19.8 | 20.2          | 19.3           | 20.2             | 19.8 | 20.5 | 20.9 |
|  | 6H            | 18.9             | 19.5 | 19.3 | 20.0 | 20.4          | 19.3           | 19.9             | 19.7 | 20.3 | 20.8 |
|  | 8H            | 18.9             | 19.5 | 19.4 | 19.9 | 20.4          | 19.2           | 19.8             | 19.7 | 20.2 | 20.7 |
|  | 12H           | 18.9             | 19.4 | 19.4 | 19.9 | 20.4          | 19.2           | 19.7             | 19.7 | 20.1 | 20.6 |
| 12H  | 4H            | 18.5             | 19.3 | 19.0 | 19.7 | 20.1          | 19.3           | 20.1             | 19.8 | 20.5 | 20.9 |
|  | 6H            | 18.8             | 19.4 | 19.3 | 19.9 | 20.3          | 19.3           | 19.9             | 19.7 | 20.3 | 20.8 |
|  | 8H            | 18.9             | 19.4 | 19.4 | 19.9 | 20.4          | 19.2           | 19.7             | 19.7 | 20.2 | 20.7 |
| Variations with the observer position at spacings(CIE Pub.117):                  |               |                  |      |      |      |               |                |                  |      |      |      |
| S = 1.0H   | + 0.7 / - 0.7 |                  |      |      |      | + 1.0 / - 1.3 |                |                  |      |      |      |
| 1.5H   | + 1.1 / - 0.9 |                  |      |      |      | + 2.1 / - 2.8 |                |                  |      |      |      |
| 2.0H   | + 0.7 / - 1.6 |                  |      |      |      | + 1.9 / - 2.7 |                |                  |      |      |      |

CIE Pub.117, 12027 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 8.6)  
Area: 0.3224 m2

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Richard  
Test Date:2024-06-28

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.442  
Humidity:65.0%  
Test Distance:8.930m [K=1.0000]  
Remarks:

## UTILIZATION FACTORS TABLE

|  |       |                  |
|--|-------|------------------|
| Test:U:120.21V I:0.6357A P:76.419W PF:0.9903 Freq:59.98Hz Lamp Flux:12027.3x1 lm |       |                  |
| NAME: XWPD(76/105/125)W(30/40/50)W   | TYPE: | WEIGHT:          |
| SPEC.: 3000K   | DIM.: | SERIAL No.:      |
| MFR.:  | SUR.: | Shielding Angle: |

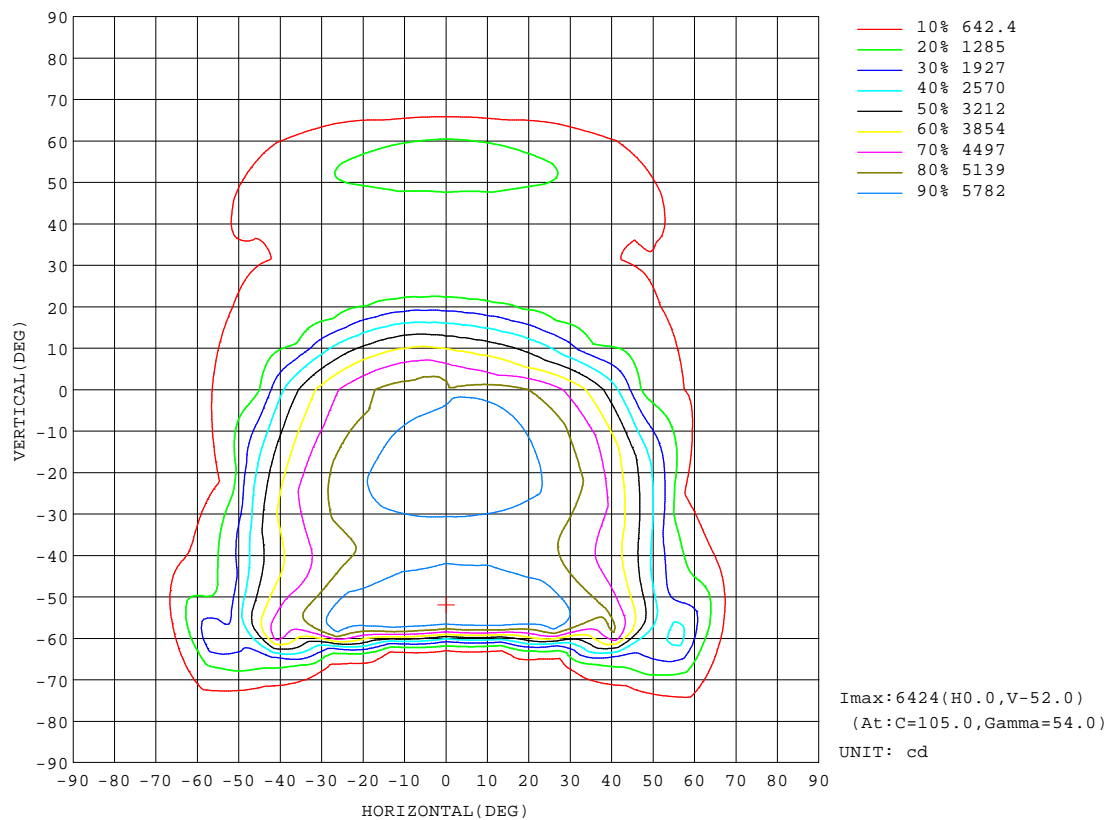
| REFLECTANCE                      |   |     |           |     |     |     |     |               |     |        |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling                          | 0.8   | 0.8 | 0.8       | 0.7 | 0.7 | 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 58  | 47  | 40        | 57  | 46  | 40  | 56  | 46            | 39  | 33     |
| 0.80                             | 69  | 57  | 50        | 68  | 57  | 50  | 66  | 56            | 49  | 43     |
| 1.00                             | 78  | 67  | 60        | 76  | 66  | 60  | 74  | 67            | 59  | 52     |
| 1.25                             | 85  | 75  | 68        | 83  | 74  | 68  | 81  | 73            | 67  | 60     |
| 1.50                             | 90  | 80  | 74        | 88  | 80  | 73  | 85  | 78            | 72  | 65     |
| 2.00                             | 97  | 89  | 83        | 95  | 87  | 82  | 91  | 85            | 80  | 73     |
| 2.50                             | 100   | 93  | 87        | 98  | 92  | 87  | 94  | 89            | 85  | 76     |
| 3.00                             | 104   | 97  | 92        | 101 | 96  | 91  | 97  | 93            | 89  | 80     |
| 4.00                             | 107   | 102 | 98        | 105 | 100 | 96  | 101 | 97            | 94  | 85     |
| 5.00                             | 109   | 105 | 101       | 107 | 103 | 100 | 102 | 99            | 97  | 87     |
| ROOM INDEX                       | UF(total)   |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |   |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Richard  
 Test Date:2024-06-28

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.442  
 Humidity:65.0%  
 Test Distance:8.930m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

|  |       |                  |
|--|-------|------------------|
| Test:U:120.21V I:0.6357A P:76.419W PF:0.9903 Freq:59.98Hz Lamp Flux:12027.3x1 lm |       |                  |
| NAME: XWPD(76/105/125)W(30/40/50)W   | TYPE: | WEIGHT:          |
| SPEC.: 3000K   | DIM.: | SERIAL No.:      |
| MFR.:  | SUR.: | Shielding Angle: |



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Richard  
Test Date: 2024-06-28

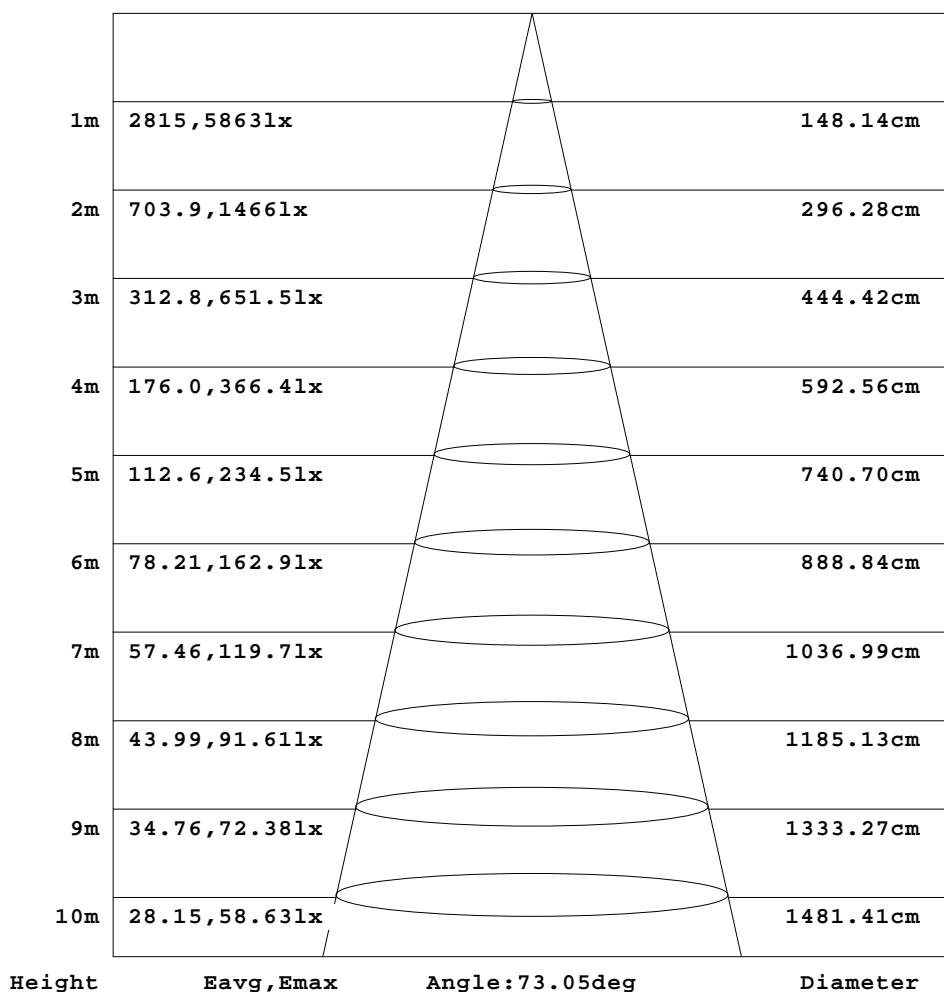
g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.442  
Humidity: 65.0%  
Test Distance: 8.930m [K=1.0000]  
Remarks:



## AAI Figure

|  |       |                  |
|--|-------|------------------|
| Test:U:120.21V I:0.6357A P:76.419W PF:0.9903 Freq:59.98Hz Lamp Flux:12027.3x1 lm |       |                  |
| NAME: XWPD(76/105/125)W(30/40/50)W   | TYPE: | WEIGHT:          |
| SPEC.: 3000K   | DIM.: | SERIAL No.:      |
| MFR.:  | SUR.: | Shielding Angle: |

Flux out:5023 lm



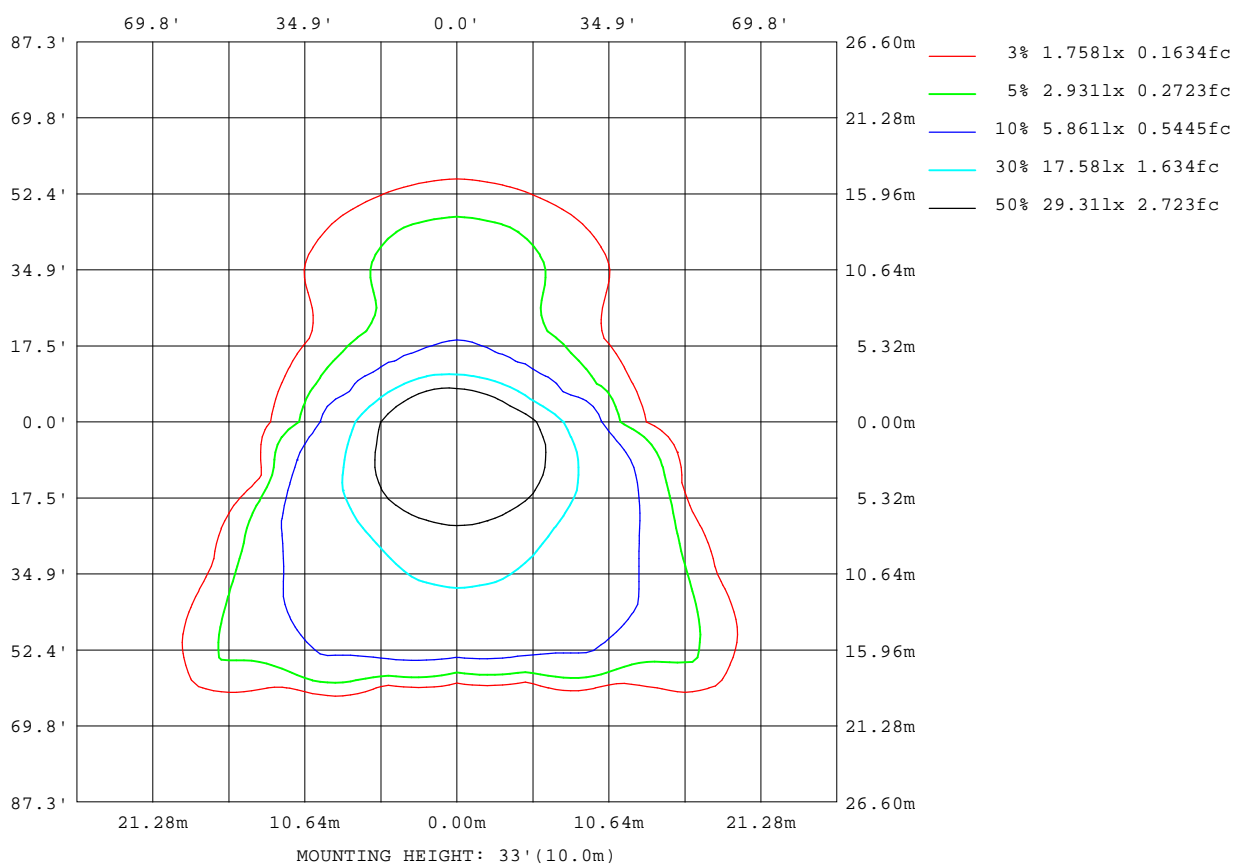
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Richard  
 Test Date: 2024-06-28

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.442  
 Humidity: 65.0%  
 Test Distance: 8.930m [K=1.0000]  
 Remarks:

## ISOLUX DIAGRAM

|  |       |                  |
|--|-------|------------------|
| Test:U:120.21V I:0.6357A P:76.419W PF:0.9903 Freq:59.98Hz Lamp Flux:12027.3x1 lm |       |                  |
| NAME: XWPD(76/105/125)W(30/40/50)W   | TYPE: | WEIGHT:          |
| SPEC.: 3000K   | DIM.: | SERIAL No.:      |
| MFR.:  | SUR.: | Shielding Angle: |



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Richard  
Test Date: 2024-06-28

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.442  
Humidity: 65.0%  
Test Distance: 8.930m [K=1.0000]  
Remarks:

## LED Avg.L Report

|  |       |                  |
|--|-------|------------------|
| Test:U:120.21V I:0.6357A P:76.419W PF:0.9903 Freq:59.98Hz Lamp Flux:12027.3x1 lm |       |                  |
| NAME: XWPD(76/105/125)W(30/40/50)W   | TYPE: | WEIGHT:          |
| SPEC.: 3000K   | DIM.: | SERIAL No.:      |
| MFR.:  | SUR.: | Shielding Angle: |

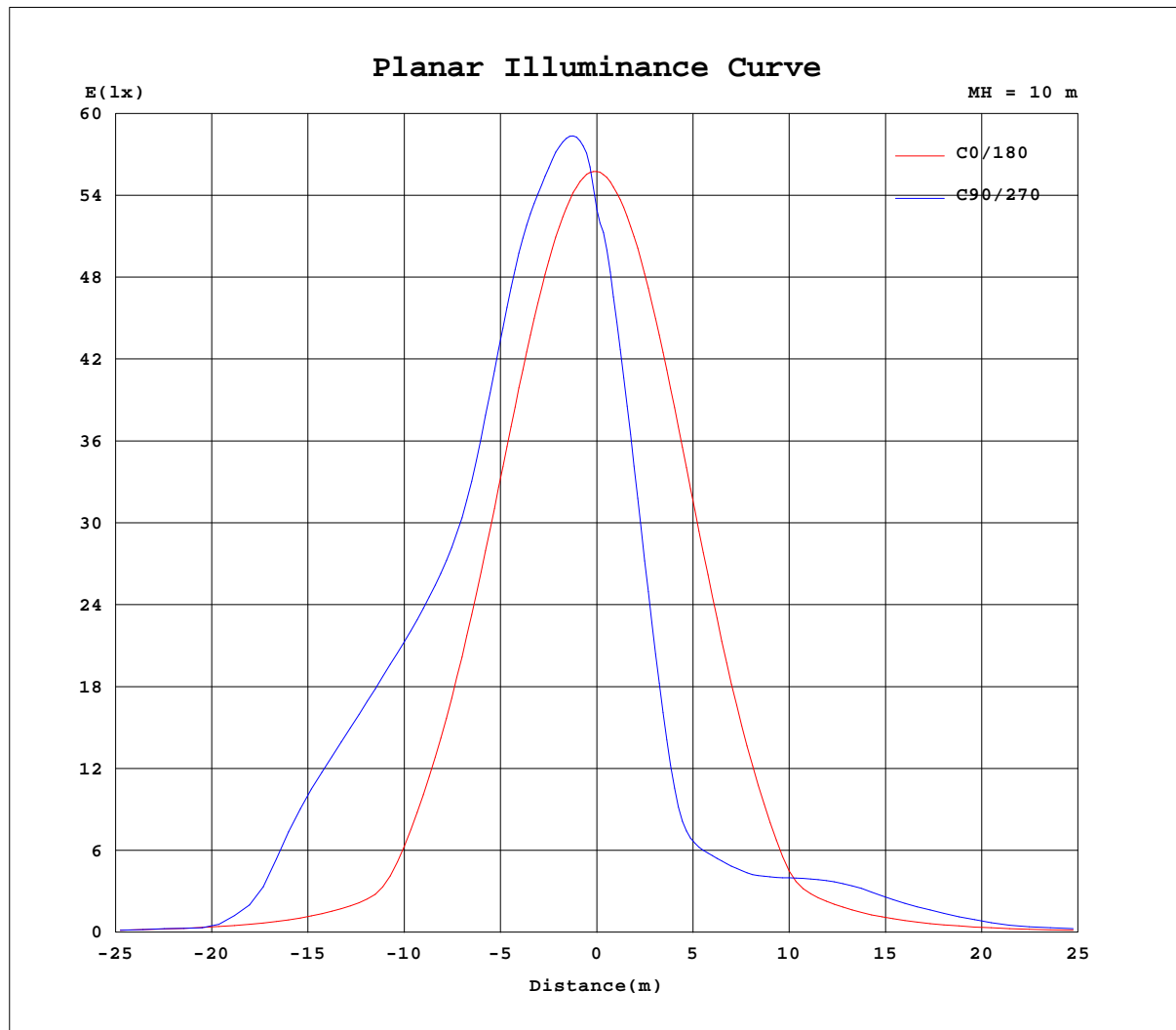
| AvgL           | cd/m2 |
|----------------|-------|
| L_0~180(65)av  | 2803  |
| L_0~180(75)av  | 1984  |
| L_0~180(85)av  | 1164  |
| L_90~270(65)av | 4139  |
| L_90~270(75)av | 2948  |
| L_90~270(85)av | 1533  |
| L_45(65)av     | 21787 |
| L_45(75)av     | 7065  |
| L_45(85)av     | 2409  |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Richard  
Test Date:2024-06-28

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.442  
Humidity:65.0%  
Test Distance:8.930m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Richard  
Test Date: 2024-06-28

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.442  
Humidity: 65.0%  
Test Distance: 8.930m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|  |       |                  |
|--|-------|------------------|
| Test:U:120.21V I:0.6357A P:76.419W PF:0.9903 Freq:59.98Hz Lamp Flux:12027.3x1 lm |       |                  |
| NAME: XWPD(76/105/125)W(30/40/50)W   | TYPE: | WEIGHT:          |
| SPEC.: 3000K   | DIM.: | SERIAL No.:      |
| MFR.:  | SUR.: | Shielding Angle: |

Table--1

UNIT: cd

| C(DEG)<br>g (DEG) | 0    | 15   | 30   | 45   | 60   | 75   | 90   | 105  | 120  | 135   | 150  | 165   | 180  | 195  | 210  | 225  | 240  | 255  | 270  |
|-------------------|------|------|------|------|------|------|------|------|------|-------|------|-------|------|------|------|------|------|------|------|
| 0                 | 5353 | 5353 | 5353 | 5353 | 5353 | 5353 | 5353 | 5353 | 5353 | 5353  | 5353 | 5353  | 5353 | 5353 | 5353 | 5353 | 5353 | 5353 | 5353 |
| 5                 | 5344 | 5528 | 5627 | 5712 | 5780 | 5882 | 5930 | 5939 | 5906 | 5817  | 5639 | 5387  | 5303 | 5104 | 5007 | 4950 | 4861 | 4791 | 4760 |
| 10                | 5271 | 5563 | 5720 | 5847 | 5938 | 6065 | 6129 | 6150 | 6107 | 6004  | 5826 | 5494  | 5201 | 4864 | 4641 | 4329 | 4097 | 3923 | 3864 |
| 15                | 5138 | 5519 | 5728 | 5883 | 5994 | 6145 | 6215 | 6238 | 6179 | 6061  | 5849 | 5499  | 5029 | 4550 | 4052 | 3567 | 3189 | 2920 | 2800 |
| 20                | 4922 | 5406 | 5670 | 5868 | 6042 | 6233 | 6312 | 6319 | 6205 | 6039  | 5775 | 5339  | 4770 | 4065 | 3302 | 2675 | 2185 | 1850 | 1721 |
| 25                | 4593 | 5210 | 5549 | 5852 | 6026 | 6152 | 6218 | 6285 | 6237 | 5983  | 5633 | 5096  | 4393 | 3420 | 2458 | 1687 | 1226 | 1032 | 1009 |
| 30                | 4134 | 4940 | 5384 | 5760 | 5799 | 5855 | 5894 | 6004 | 6064 | 5913  | 5424 | 4746  | 3876 | 2618 | 1522 | 975  | 845  | 874  | 906  |
| 35                | 3525 | 4570 | 5189 | 5519 | 5465 | 5519 | 5586 | 5641 | 5735 | 5712  | 5165 | 4297  | 3178 | 1670 | 940  | 787  | 782  | 857  | 893  |
| 40                | 2742 | 4100 | 4912 | 5183 | 5222 | 5572 | 5720 | 5610 | 5409 | 5369  | 4850 | 3697  | 2305 | 994  | 793  | 711  | 768  | 886  | 938  |
| 45                | 1718 | 3504 | 4515 | 4842 | 5317 | 5886 | 6088 | 5917 | 5360 | 4972  | 4436 | 2986  | 1224 | 836  | 705  | 667  | 870  | 1070 | 1144 |
| 50                | 886  | 2796 | 3995 | 4572 | 5657 | 6284 | 6444 | 6349 | 5679 | 4589  | 3885 | 2095  | 835  | 716  | 628  | 751  | 1091 | 1349 | 1448 |
| 55                | 702  | 1958 | 3341 | 4622 | 6038 | 6346 | 6292 | 6518 | 6133 | 4462  | 3165 | 864   | 662  | 597  | 605  | 973  | 1295 | 1516 | 1592 |
| 60                | 540  | 729  | 2649 | 4906 | 6034 | 3861 | 2703 | 4582 | 6360 | 4782  | 2389 | 608   | 507  | 464  | 677  | 990  | 1167 | 1270 | 1334 |
| 65                | 396  | 508  | 2069 | 5164 | 1931 | 402  | 413  | 427  | 2782 | 5161  | 1731 | 477   | 368  | 376  | 597  | 738  | 861  | 755  | 715  |
| 70                | 274  | 400  | 2210 | 2754 | 430  | 301  | 285  | 313  | 544  | 3138  | 1721 | 367   | 248  | 292  | 436  | 441  | 417  | 464  | 488  |
| 75                | 176  | 262  | 2481 | 871  | 195  | 157  | 140  | 165  | 218  | 956   | 2277 | 235   | 155  | 183  | 217  | 253  | 305  | 338  | 351  |
| 80                | 101  | 153  | 934  | 278  | 67.3 | 52.1 | 47.6 | 54.6 | 71.6 | 295   | 824  | 125   | 81.3 | 92.2 | 135  | 168  | 205  | 215  | 215  |
| 85                | 40.5 | 79.4 | 281  | 45.6 | 12.8 | 10.8 | 9.77 | 11.4 | 13.6 | 38.6  | 214  | 52.5  | 24.9 | 35.5 | 54.5 | 86.5 | 94.3 | 80.8 | 76.4 |
| 90                | 3.39 | 1.85 | 2.20 | 2.49 | 2.58 | 2.65 | 2.76 | 3.03 | 3.18 | 2.93  | 2.63 | 2.24  | 1.11 | 1.78 | 5.52 | 13.1 | 18.0 | 13.8 | 13.2 |
| 95                | 2.63 | 2.24 | 2.60 | 3.06 | 3.38 | 3.55 | 3.71 | 3.91 | 3.92 | 3.55  | 3.15 | 2.80  | 1.45 | 2.43 | 3.38 | 4.36 | 4.88 | 5.05 | 4.97 |
| 100               | 3.68 | 2.72 | 3.08 | 3.64 | 4.11 | 4.42 | 4.59 | 4.77 | 4.67 | 4.20  | 3.72 | 3.41  | 1.99 | 3.34 | 4.21 | 5.05 | 5.54 | 5.96 | 6.37 |
| 105               | 5.13 | 3.29 | 3.54 | 4.17 | 4.79 | 5.26 | 5.47 | 5.61 | 5.37 | 4.79  | 4.26 | 4.16  | 2.74 | 4.50 | 5.26 | 5.89 | 6.15 | 6.46 | 7.00 |
| 110               | 6.94 | 4.19 | 3.94 | 4.52 | 5.18 | 5.78 | 6.10 | 6.17 | 5.82 | 5.18  | 4.77 | 5.17  | 3.71 | 5.94 | 6.57 | 7.01 | 7.08 | 7.19 | 7.73 |
| 115               | 9.06 | 5.56 | 4.40 | 4.66 | 5.21 | 5.85 | 6.22 | 6.25 | 5.90 | 5.41  | 5.41 | 6.50  | 4.85 | 7.50 | 8.31 | 8.21 | 8.33 | 8.34 | 8.86 |
| 120               | 11.4 | 7.39 | 5.32 | 4.93 | 5.12 | 5.60 | 5.96 | 6.05 | 5.89 | 5.82  | 6.42 | 8.26  | 6.02 | 9.21 | 10.6 | 9.70 | 9.89 | 9.88 | 10.3 |
| 125               | 13.8 | 9.64 | 6.87 | 5.70 | 5.37 | 5.51 | 5.78 | 6.01 | 6.21 | 6.71  | 7.93 | 10.38 | 7.19 | 11.0 | 13.0 | 12.1 | 11.3 | 11.6 | 11.7 |
| 130               | 16.3 | 12.2 | 9.02 | 7.17 | 6.30 | 6.06 | 6.17 | 6.57 | 7.18 | 8.14  | 9.96 | 12.7  | 8.48 | 12.7 | 15.7 | 15.4 | 13.7 | 13.6 | 14.1 |
| 135               | 18.6 | 14.9 | 11.7 | 9.35 | 8.00 | 7.41 | 7.41 | 7.90 | 8.80 | 10.18 | 12.4 | 14.9  | 9.98 | 14.2 | 18.2 | 19.3 | 17.4 | 16.8 | 17.4 |
| 140               | 20.7 | 17.7 | 14.6 | 12.2 | 10.5 | 9.54 | 9.42 | 9.97 | 11.2 | 12.9  | 15.0 | 17.1  | 11.7 | 15.4 | 20.1 | 22.7 | 22.3 | 21.2 | 20.9 |
| 145               | 22.5 | 20.2 | 17.7 | 15.6 | 13.8 | 12.6 | 12.4 | 13.0 | 14.3 | 15.9  | 17.6 | 19.1  | 13.6 | 16.9 | 21.4 | 25.4 | 26.4 | 26.0 | 25.4 |
| 150               | 24.0 | 22.3 | 20.5 | 18.9 | 17.6 | 16.5 | 16.2 | 16.7 | 17.8 | 18.9  | 19.9 | 20.9  | 15.5 | 18.7 | 22.7 | 27.0 | 29.4 | 30.2 | 30.0 |
| 155               | 25.2 | 24.1 | 22.9 | 21.9 | 21.1 | 20.5 | 20.2 | 20.5 | 21.0 | 21.5  | 21.9 | 22.4  | 17.6 | 20.9 | 24.7 | 28.3 | 30.8 | 32.4 | 32.7 |
| 160               | 26.2 | 25.6 | 25.0 | 24.6 | 24.2 | 24.0 | 23.9 | 24.0 | 24.0 | 24.0  | 23.8 | 23.9  | 20.0 | 23.4 | 26.9 | 29.9 | 31.8 | 33.2 | 33.5 |
| 165               | 26.9 | 26.8 | 26.7 | 26.8 | 26.9 | 27.1 | 26.9 | 26.9 | 26.6 | 26.1  | 25.4 | 25.1  | 22.5 | 25.8 | 28.9 | 31.4 | 32.9 | 34.1 | 34.3 |
| 170               | 27.2 | 27.7 | 28.0 | 28.7 | 29.2 | 29.6 | 29.6 | 29.4 | 28.8 | 27.8  | 26.9 | 26.1  | 24.5 | 27.4 | 29.9 | 31.9 | 33.2 | 34.1 | 34.2 |
| 175               | 27.2 | 28.2 | 29.1 | 30.1 | 30.8 | 31.5 | 31.5 | 31.1 | 30.2 | 28.9  | 27.7 | 26.4  | 25.8 | 28.1 | 30.1 | 31.6 | 32.8 | 33.5 | 33.5 |
| 180               | 26.6 | 28.4 | 29.7 | 31.1 | 31.9 | 32.7 | 32.6 | 32.2 | 31.2 | 29.8  | 28.1 | 26.3  | 26.7 | 28.3 | 29.8 | 31.0 | 32.0 | 32.7 | 32.7 |

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Richard  
Test Date:2024-06-28

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.442  
Humidity:65.0%  
Test Distance:8.930m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|  |       |                  |
|--|-------|------------------|
| Test:U:120.21V I:0.6357A P:76.419W PF:0.9903 Freq:59.98Hz Lamp Flux:12027.3x1 lm |       |                  |
| NAME: XWPD(76/105/125)W(30/40/50)W   | TYPE: | WEIGHT:          |
| SPEC.: 3000K   | DIM.: | SERIAL No.:      |
| MFR.:  | SUR.: | Shielding Angle: |

Table--2

UNIT: cd

| C(DEG)<br>g (DEG) | 285  | 300  | 315   | 330   | 345   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-------------------|------|------|-------|-------|-------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0                 | 5353 | 5353 | 5353  | 5353  | 5353  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5                 | 4766 | 4834 | 4926  | 5074  | 5203  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10                | 3878 | 4032 | 4249  | 4585  | 4918  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15                | 2854 | 3077 | 3462  | 3978  | 4525  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20                | 1783 | 2056 | 2539  | 3233  | 4015  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 25                | 1028 | 1167 | 1581  | 2377  | 3364  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30                | 901  | 876  | 982   | 1469  | 2570  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 35                | 885  | 833  | 819   | 974   | 1656  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 40                | 920  | 823  | 751   | 838   | 1046  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 45                | 1109 | 947  | 714   | 750   | 890   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 50                | 1394 | 1167 | 820   | 675   | 773   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 55                | 1559 | 1370 | 1038  | 661   | 659   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 60                | 1306 | 1236 | 1084  | 733   | 532   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 65                | 769  | 903  | 810   | 676   | 431   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 70                | 475  | 442  | 502   | 506   | 340   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 75                | 347  | 323  | 278   | 283   | 232   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 80                | 222  | 216  | 187   | 157   | 128   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 85                | 83.6 | 101  | 100.0 | 75.3  | 56.0  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 90                | 14.6 | 20.8 | 22.7  | 17.1  | 7.98  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 95                | 5.52 | 5.76 | 5.08  | 3.82  | 2.23  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 100               | 6.86 | 6.62 | 5.63  | 4.32  | 2.78  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 105               | 7.54 | 7.24 | 6.19  | 4.95  | 3.46  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 110               | 8.36 | 8.00 | 7.01  | 5.79  | 4.29  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 115               | 9.44 | 9.05 | 8.10  | 6.81  | 5.16  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 120               | 10.7 | 10.5 | 9.69  | 7.64  | 6.10  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 125               | 12.2 | 13.0 | 11.1  | 8.65  | 7.06  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 130               | 15.6 | 15.4 | 12.5  | 10.19 | 8.14  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 135               | 18.1 | 16.9 | 14.5  | 12.3  | 9.08  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 140               | 20.9 | 20.1 | 18.3  | 14.3  | 10.13 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 145               | 25.2 | 24.3 | 21.4  | 16.3  | 11.6  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 150               | 29.6 | 27.9 | 23.9  | 18.4  | 13.8  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 155               | 32.1 | 29.9 | 25.9  | 21.1  | 16.7  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 160               | 32.9 | 31.0 | 28.0  | 24.1  | 20.0  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 165               | 33.7 | 32.3 | 30.0  | 26.8  | 23.1  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 170               | 33.7 | 32.5 | 30.7  | 28.3  | 25.1  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 175               | 33.0 | 32.0 | 30.4  | 28.5  | 26.0  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 180               | 32.2 | 31.2 | 29.7  | 28.2  | 26.3  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Richard  
Test Date:2024-06-28

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.442  
Humidity:65.0%  
Test Distance:8.930m [K=1.0000]  
Remarks: